14200

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Send list of Japurá plants
to Pablo Palacios.
Ampiyacu
John Bishop works.

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Adriana Mercedes Gil Correa

* Articulo "Coca" etc.

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Basistemon togotense - reprint to Wingfield.
Moquerys = when + where collected
↳ Falcon (San Luis).
Brugmansia = key + plates.
Rubiaceae = Fl. Peru → Wingfield.

Annals / Bot papers / Linn. Soc. / Peabody } → David Diaz

Brugmansia → Ana María
Brugmansia → Carmen

Simpson Key - Dayran Cardenas L.
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Medellín

WWF Annual Report → Martinelli

Send to CoL ID's: Lockwood 660, 638, 653
+ Label Completo!

Specimens of HUA: 27 Jun 1986.

E. hondense

E. Rentería 3711. Antioquia: Bolombolo – Venecia. 700 m. 10 mar 1985 (fl).

E. ulei

HUA MEDEL

J. M. Duque Jaramillo 4085-A. Caldas: Cartago. "coca-mono". 970 m. 21-26 Dic 1946 (st.).

M. C. Vélez 15: Quindío: Mpio. La Tebaida: Vereda La Argentina. 1100 m. 2° forest. Arb. 1.5 m. 2 Aug 74 (Fl).

E. citrifolium

V. Pérez A. 93. Antioquia: San Carlos, 5 km. Carretera a Narices. 400-500 m. 21 oct 78 (Fl).

L. Quintana de H. 565. Antioquia: San Luis. Sector Río Claro – Río Samaná. 740 m. (near Josefina). bmh-T. 11-Nov 82 (fr).

J. M. Duque J. 4045-A. Caldas: Cartago. 10 Dic 1946 (fl). "Coca cimarrona".

E. haxanense

L. A. de Escobar et al. 1991. Guajira: Mun. San Juan de Cesar – frontera Depto. Cesar. 190 m. 6 May 82 (FR).

E. oxycarpum

O. Arboleda, J. Brand, P. Bunch 641, J. Santa Guajira: Mpio. Maicao. 3-4 km north of Loma Chimbolo on the Intercor railroad corridor. Understory 6s-T. Shrub 4-5 m. 18 May 1981 (FR).

HUA, MEDEL

E. coca v. ipadu

D.D. Soejarto + T. Lockwood 2382. Vaupés: Junction of Río Kubiyú - Río Vaupés. Cult. 24 Mar 1970 (FI).

HUA +COL

E. citrif.

L. A. de Escobar et al. 5905. Antioquia: Mun. Guatapé, Vereda Santa Rita, Bosque humedo. ca. 1850 m. 11 Oct 1985 (FI).

E. macrophyllum

J. Espinal T. 4787. Antioquia: La Veta (Abajo de Cocorné). 850 m. Arbol pequeño. 5 Mar 1983 (FI).

↓ MEDEL

E. oxycarpum

J. Rivera C. 23-55. Escarpas de la Meseta de Bucaramanga, Quebrada Campo Hermoso. 21 Mar 1968 (FI).

E. cf. fimbriatum

H. García-Barriga 10668. Cundinamarca. 15-20 Enero 1942 (FR). Nocaima: Hacienda Tobia.

COL E. coca var. ipadu

C. Sastre 2459. Amazonas: Río Igaraparaná. 20 km en arriba de La Chorrera. 11 Oct 1973 (st).

J. M. Idrobo 6859. Amazonas: Río Igaraparaná, margen derecha, 15 km abajo de la Chorrera. Familia Kairu. "Kudu jibina" (Huitoto). ~~Se~~ Se distinguen de la "jibina" por su hojas mas pequenas y frutos mas alargadas. Dicen que es de inferior calidad por inconvenientes al cosecha la hoja, pues siempre carga muchas semillas. 1 Mar 1974 (young fr).

Reichel-Dolmatoff s.n. Vaupés: "kanea-hu kahi" (kanea = caimo, hu = leaf, kahi = coca) - Barasana. The plant is distinguished from other varieties of coca by its very big, slightly leathery leaves which are compared to those of caimo. One of 5 varieties of coca. 1968. (FI).

COL

C. La Rotta 144. Amazonas: Caño Aduche. Chagra. "Jipie" - Andoque. 17 Mar 1982 (st.)

M. J. Eden 138. Caquetá: La Sardina, below Boca Yarí. Free draining silty over clay sandy soil. Cult. 1977 (st).

E. schunkei

J. Schunke 1192.

E. steyermarkii

L. Aristeguieta & G. Agostini 5562. VEN: Bahia de Mochima & Puerto La Cruz, Edos. Sucre & Anzoategui, 5 Jul 1965 (FI).

E. cessinoides = E. densum

Triana 5597. Prov. de Mariquita. Entre Piedras & Ubaque. Alt 500. Jul 1853 (FI). F neg. 55535.

E. novogranatense

J. Cuatrecasas 13277. Norte de Santander: region Sarare. Hoya del rio Cubugón, vertientes de El Carmo. 500-700 m. Nov 18, 1941 (fl bud). (not E. cataractarum).

E. rufum

O. Huber 668. Pto. Ayacucho.

E. graciliper

A. Gentry + A. Juncosa 41064. Chocó: Río Mecana, ca. 10 km E. of Mecana, mature forest on lateritic soil on ridge top. ca. 100 m. 6°15'N, 77°25'W. 7 Mar 83 (young fr).

C. LaRotta 142. Amazonas: Caño Aduche. Bosque primario. N.v. "itajipie" - coco de dentz. Silvestre. La hoja pulverizada y mesclada con la ceniza de Cecropia sciadophylla. Se usa para estimulante, es de uso exclusivo del Chamz. 17 Mar 1982 (st).

E. haughtii

C. Saravia 1641. El Valle: entre Tobaguerrero y Yumbo. 1000-1100 m. 14-18 nov 1962 (FI).

O. Rangel 2972. Huila: Carretera Puerto Seco-Paicol. km. 18. Alt. 800 m. En bosque espinoso. Arbolito 5 m. Estéril. Sept 1980 (st).

E. havanensis

E. Forero, E. Carbonó, E. Mercado 9971. Cesar: Carretera Manaure-La Paz, 4 km de Manaure. 450 m. Orilla de una quebrada. 6 May 1984 (FR).

E. cataractarum

A. Fernandez-Perez & R. Jaramillo M. 7019.
Guainía: Río Inírida, Caranacoa. 27 Feb. 1965 (Fl).

R. Jaramillo M., J. Hernandez Camacho & T. Van der Hammen 1021. Meta: Llanos de San Martín: La Serranía, hoya del Río Ariari. Bosque inundable de la Laguna de Aguasucia. Alt 300 m. 11 Sept 1958 (ff.)

E. citrifolium

Pranie 28000. Chocó: 1 km outside Quibdó on road to Gueyabel. Disturbed forest. Shrub 3 m. 19 Apr 1982 (fr)

E. hondense

E. Forero et al. 9360. Tolima: Mun. Honda: Vereda Bremen, Quebrada San Antonio. Finca San Antonio. Margen izquierda del R. Magdalena. Alt. 400 m. 26 Mar 1983 (Fl).

E. ulei

A. Fernandez Perez & L. Uribe U. 5667.
Tolima: Mariquita. Riberas del Río Gualí. Alt. 500 m. 24 Sept 1959 (Fl).

E. panamense

A. Gentry + A. Juncosa 41111. Chocó: Rocky cliffs overlooking beach between Mecana & Bahía Solano. Alt 5 m. 6°15'N, 77°25'W. Tree 5 m, Fl. red. 9 Mar 1983 (fl, fr).

E. carthagenense

H. Y. Bernal M. 124. Sucre: Islas San Bernardo, Isla Palma. Sea level. n.v. "pintauñas" o "ají de pájaro". Aug 17, 1979 (FR)

N. de López 480. Magdalena. Isla de Salamanca, km. 4. Parque Nacional. 21 Jun 1970 (FR). n.v. "Tayo"

C. Saravia 2851. La Guajira: 7 km de Riohacha, Carretera Camerones. 3 m. alt. (elev.?). 15 Oct 1963 (st).

G. Lozano C. 2720. Magdalena: Mun. Santa Marta. Parque Nac. Tayrona. Ensenada de Neguanje. 7 Sept 1976 (st).

C. Saravia & D. Johnson 522. Guajira: 19 km de Riohacha, rumbo a Manaure. 13 Apr 82 (st).

P. Franco R. 2131. Córdoba: Mun. San Antero. Orilla de Caño Viejo. 26 Oct 1984 (st).

E. densum

E. Barrera, et al. 156. Magdalena: Mun. Santa Marta. Parque Teyrona. Cabaña de El Cedro, a orillas del Camino. 24 Jun 1983 (St).

+ 9340 (same data)

E. Forero et al. 9332. Cundinamarca: Mun. de Guaduas: camino antiguo a Honda. 1150–1290 m. 25 Mar 1983 (Fl).

E. Forero et al. 9395. Cundinamarca: Camino al Salto de Versalles. Mun. Guaduas. alt. 1000 m. 27 Mar 1983 (fl).

E. macrophyllum ≡

H.Y. Bernal & D. Tellez 501. Caquetá: alrededores de San José del Fragua. 385 m. 11 Mar 1981 (Fl). (± typical)

M.J. Balick 24: Norte de Santander: Las Estoraques: La Playa. Arbor 4 m. 22 Mar 1974 (Fl). (lucidum)

H. García-Barriga 18750. Tolima. Cerro Gordo. Mun. del Valle. Carretera a Rondón. 540–700 m. 11–13 Aug 66 (Fl Fr). (lucidum).

H. Y. Bernal + D. Tellez 530. Caqueta: Alrededores de San José del Fragua. Quebrada La Baruga. Vereda El Verjel. Hda. El Diamante. 450 m. Arb. 10 m. 12 Mar 1981 (FI). (typical but lvs + fls. ± small).

USM Indet.
P 6648 - Iryanthera!

Luteyn 11403 = Columellia
P 5491 = ?
P 6562 = Viol. = Rinorea cymosa

Barringer Scrophl. → Emma
Lythrac. -

Guayaquil: E. peters
Volverde 1711. Ecuador: Prov. Guayas. Cerro de Solanquillo al N.O. de Solanquillo. 26 Jun 1980 (FR). Cord. Colonche. Arbol de 20 m. Fr. verdes. n.v. coquitos.
Dodson + Gentry ~~12616~~, 9765.

E. glaucum
C. H. & P. M. Dodson 11450, 11369
Dodson + Gentry 12619

Trujillo - 26473
Olmos - 26766

JUL 1 1 1986

PERU: Dept. Lambayeque: Prov. Lambayeque. Road from Olmos to Pucará, km. 32 east of Olmos. Alt. 1370 m. Open scrub on steep, dry hillsides.

11 July 1986.

Collectores: T. Plowman, A. Sagastegui, J. Mostacero, L., F. R. Mejía, F. Peláez.

Km. 32 de Olmos. Alt. 1370 m. Dry Open scrub on steep hillsides.

14200. Barnadesia Compos.t.
(10)
F GB
HUT NY
LP
Arbusto erecto 2 m. Flores rosadas.

14201. Centua quercifolia Juss. Polemon.
(10)
F NY
HUT US
K
Subarbusto 1-1.5 m. Flores blancas.

Arnaldoa macbrideana Ferreyra
14202. ~~Dasyphyllum obovatum Sagast.~~ Comp.
(12) det. M. Dillon 1987.
Arbusto 1-4 m. Capítulos
F TEX Con flores violáceas.
HUT LP
US K
GB
NY

JUL 1 1 1986

(Muschler) H. Robinson

14203. Ferreyranthus fruticosus Comp.
(9) det. M.O. Dillon 1987.
F MO Arbusto hasta 4 m. de alto.
HUT US Capítulos amarillos.
K NY ! N. HENSOLD 1996
C. AURICULATUM L'HER. DET. M. NEE 1989

14204. Cestrum scandens Vahl Solanac.
(8) det. D'Arcy 1987.
F MO Arbusto de 1.5-3 m. de altura.
HUT Flores jovenes amarillentas.
NY Frecuente.

14205. Hyptis eriocephala Benth Labiat.
F (7) det. R. Harley 1987
HUT Perennial herb. Flores moradas.
K

14206. Oxalis PICKERINGII A. GRAY Oxalid.
F (2) DET. A. LOURTEIG 1995
HUT Hierba annua. Flores amarillas pálidas.

14207. Senecio Comp.
(1)
F Subfrútice 1 m. de altura.
Capítulos amarillos.

JUL 1 1 1986

C. MUELLER

14208. SCHMARDAEA MICROPHYLLA (HOOK.) Meliac.
F HUT (4) Arbolillo con 4 m. de altura.
Frutos inmaduros verde.

14209. Maytenus cf. durifolia Brig. Celast.
F HUT MO NY (11) TEX ← Arbol con 5 m. de altura.
Frutos inmaduros verdes.
det. T. Plowman 1986.

14210. Myrcia cf. splendens (Sw) DC. Myrtac.
F HUT ASC (8) MO det. L. R. Landrum 1987.
Arbusto de 2-3 m. Flores blancas.

14211. Amarenth.
F HUT GB MO (4) Hierba Voluble entre arbustos.
Flores cremosas.

14212. Acacia Macracantha Humb. + Bonpl. Legum.
F HUT NY MO (8) TEX ex Willd. det. R. Barneby 1986.
Arbol 7 m. de altura. Flores amarillas. Frutos marrones.

14213. Dicliptera CF. ACUMINATA (R&P.) JUSS. Acanth.
F HUT US (5) Hierba erecta. Flores moradas.
DET. N. HENSOLD, 2000

JUL 1 1 1986

14214. Mikania CORDIFOLIA (L.f.) WILLD. Composit.
DET. ROBINSON 1988
(13)
F Mo
HUT NY
Holmes TEX
US UC
Trepadora entre ramas de un árbol en quebrada. Flores cremosas.

14215. Alonsoa meridionalis (L.f.) Kuntze Scrophl.
F (2)
NY
Hierba ramosa con 70 cm. Flores rojo-anaranjadas.

14216. Streptosolen jamesonii Benth. Solanac.
(3)
Subarbusto 1 m. Flores anaranjadas.

PERU: Dept. Cajamarca: Prov. Jaén.
Road from Olmos to Pucará, km. 94 east of Olmos, along Río Huancabamba. Alt. 970 m. Area of dry forest.

11 July 1986

14217. Senna pallida (Vahl) Legum.
var. nemorosa (HBK.) Irwin + Barneby
F (13)
HUT
NY
K
Arbusto de 1.5 m. de altura. Flores amarillas. det. R. Barneby 1986.

14218. Tecoma rosifolia HBK Bignon
(11)
det. A. Gentry 1986.
F
HUT
MO
Arbusto subescandentes con 1-2 m. de altura. Flores rojas pálidas.

JUL 1 1 1986

14219. Passiflora foetida L. Passifl.
(9) det. S. Knapp 1987.
seed Trepadora en la orilla de la
F carretera. Frutos maduros
HUT amarillos.

H. Hallier
14220. Jacquemontia floribunda (H.B.K). Convolv.
F (13) det. D.F. Austin 1986.
FAU GB Subarbusto erecto con 60-100
NY K cm. de altura. Flores azules.
US

Irwin + Barneby
HUT 14221. Senna huancabambae (Harms) Leg. um.
F (6) det. R. Barneby 1986.
NY Subarbusto con ca. 1 m. de
MO altura. Flores amarillas.
K

14222. ~~Funastrum~~ Asclepiad.
(5) SARCOSTEMMA CLAUSUM (JACQ.) SCHULTES
F Trepadora voluble entre arbustos.
HUT Flores cremosas. DET. N. HENSOLD 1996
NY

14223. Baccharis salicifolia Comp.
(9) (R. + P.) Pers. det. A. Sagástegui, 1986.
Arbusto de 3 m. de altura.
F Capitulos blancos.
HUT NY n.v. "chilco"
TEX
LP

JUL 1 1 1986

14224. Cavna jaegeriana Urban Cannaceae
(3) det. P.J.M. Maas 1987.
F U NY Cult. Hierba 3 m. de altura creciendo en el lecho del Río Huancabamba. Flores anaranjadas

14225. Aristolochia hutchisonii Barringer Aristol.
(15) det. T. Plowman 1986.
F HUT BKL K MO NY Voluble en la pie de barranca. Flores: Tubo verdoso, apice atropurpurea.

→ Km. 97 de Olmos. Alt. 950 m.
T. SERROLATA FRYX. & FUERTES. FRYXELL 1992

14226. Tetrasida polyantha Ulbrich Malvac.
(7) det. P. Fryxell 1987.
F HUT TAES CIES Suffrutice con 1 m. de alta Flores amarillas.

14227. Ceiba insignis (Kuntl.) Gibbs & Semir Bombacac.
(16) det. P. Gibbs 1987.
F HUT Arbol 8 m. de alta con copa amplio con tronco ensanchado con espinas gruesas. Flores blancas, unidas en la base de petalos. Estigma anaranjada.

JUL 1 1 1986

14228. Onosiris gnaphalioides Mull.-Arg. Comp.
(3)
HUT Hierba perenne. Capítulos:
F Flores radiales lilas,
Flores centrales amarillas.

14229. Mimosa pectinatipinna Burk. Legum.
(7) det. R. Barneby 1986.
F K Arbusto bajo con ramas exten-
HUT MO didas horizontales. Flores rosadas
NY GB pálidas.

14230. Dalea carthagenensis Jacq. Legum.
(3) var. brevis Macbr.
HUT Subfrútice de 80 cm. Flores
F amarillas.
NY det. R. Barneby 1986.

JUL 1 2 1986

PERU: Dept. Cajamarca: Prov. Jaén.
Road from Pucará to Chamaya, ca. km. 5 east from Pucará, along Río Huancabamba.
Alt. 870 m. Dry forest.

12 July 1986

~~Pucará 870 m.~~

14231. Passiflora foetida L. Passifl.
(2) det. S. Knapp 1987.
F HUT Hierba trepadora entre arbustos. Pétalos y sépalos blancos. Corona morada, uniseriata.

14232. Pithecellobium excelsum (Kunth) Mart. ex Benth. Legum.
(10) det R. Barneby 1986.
F HUT MO K NY TEX Arbusto de 4 m. Cáliz rojo oscuro. Filamentos blancos. Fruto rojo.

14233. Solanum erianthum D. Don Solanac.
F HUT NY MO COL (10) QCA TEX UC K US det. S. Knapp 1987.
Arbusto 2-3 m. en la orilla de la carretera. Flores blancas-azuladas.

14234. Prestonia mollis Kunth Apocyn.
(8) det. B. F. Hansen, Aug. 1987.
F HUT WAGT USF MO Voluble entre arbustos. Flores amarillas.

JUL 1 2 1986

14235. Plumbago scandens L. Plumbag.
F (10) Hierba escendente de 2 m.
HUT TEX de alta. Cáliz verde. Corola
NY MO blanca. det. J. Luteyn 1987.

Macbr.
14236. Cnidoscolus jaenensis (Pax + K. Hoffm.) Euphorb.
F (3) det. M.J. Huft 1987.
K Hierba suculenta de 70 cm.
MO Flores blancas.

PERU: Dept. Cajamarca: Prov. Jaén. Road from Pucará to Chamaya, km. 21 east of Pucará, along Río Huancabamba. Alt. 700 m. Dry scrub forest on steep slopes. 12 July 1986.

14237. Opuntia quitensis F.A.C. Weber Cactac.
HUT (6) Cactus con 1 m. de alto
F Pétalos rojo-anaranjados.
AAU det. J.E. Madsen 1987.

14238. Trixis SUBPARADOXA HERRERA Composit.
DET. M. DILLON 1988
HUT (6) Suffrutice con 1.5 m. de alto.
F US Flores rodeadas amarillas y
USM blancas.
TEX
MICH

14239. Bidens rubifolia Kunth in HBK. Composit.
(13) det. M.O. Dillon 1987.
F NY Suffrutice escendente con ramas
HUT hasta 2 m. de largo. Flores
MO amarillas.

14240 A. Anthurium
2-live Creciendo sobre piedras escarpadas. Hojas erectas, glaucas. Estéril.

JUL 1 2 1986

14240. Tephrosia cinerea Pers. Legum.
F (5) det. R. Barneby 1986.
HUT Suffrutice 1 m. de alto
NY Flores lilas.

14241. Rauhia sagasteguiana Ravenna Amaryll.
(15)
Bulbifera creciendo en suelo
live pedroso entre arbustos. Hoja
F una, muy carnosa-coriacea.
HUT Pedunculo (escapo) verde, glauco,
FLAS levemente espiralado y comprimido.
NY Tepalos verde pálida-glauca,
MO blanca por dentro. Bulbos de 2 leg.
K 15 cm de diam.
GB

14242. Abutilon mollissimum (Cav.) Sweet Malvac.
F (7) det. P. Fryxell 1987.
HUT Suffrutice de 1 m. de alto.
TAES Flores blancas.
CTES
NY
MO

14243. Bougainvillea peruviana H. & B. Nyctag.
(7) det. C. Niezgoda 1987.
F Arbusto escandente 1-2 m. o
HUT arbol hasta 6 m. de alto.
GB Brácteas ~~rojas~~ lilas, tubo lila oscuro,
NY limbo cremoso. Frecuente.
MO

PERU: Dept. Cajamarca: Prov. Jaén. Road from Pucará to Chamaya, km. 37 east of Pucará, along Río Huancabamba. Alt. ca. 600 m. Dry forest bordering dry quebrada. 12 July 1986. JUL 12 1986

14244. Hibiscus phoeniceus Jacq. Malvac.
F CTES TAES (3) Suffrutice erecto de 2 m, Flores grosella. (light red).
det. P. Fryxell 1987.

14245. Tillandsia latifolia Meyen var. divaricata (Benth.) Mez Bromel.
F SEL (2) Epífita. Brácteas rojas, flores lilas. det. T. Plowman 1986.

14246. Chromolaena odorata (L.) K. & R.
(Eupatorium) Composit.
det. H. Robinson 1987.
F US HUT TEX (8) Suffrutice 1.8 m. de alto
Flores blancas.

14247. ~~X~~anthoxylum culantrillo Kunth Rutac.
HUT F INPA SPF NY MO K (9) det. R. Gereau 1987.
Arbusto 3 m. de alto
Flores en boton verdes. Frutos secos.

14248. ~~Swartzia~~ Cyathostegia matthewsii Legum.
(Benth.) Schery
HUT F NY MO K US G COL (10) Arbusto de 2 m. de alto
Frutos verdes.
det. C. Niezgoda 1986.

JUL 1 2 1986

PERU: Dept. Cajamarca: Prov. Jaén. Road from Pucará to Chamaya, km. 42 east of Pucará, along Río Huancabamba. Alt. 550-600 m. Dry rocky cliffs above river. 12 July 1986.

14249. Onoseris acerifolia HBK.

HUT (12)
F NY
K GB
Seeds → McAlpin
TEX
US
LP

Suffrútice hasta 1 m. de alto, creciendo en rocas escarpadas. Flores radiadas lilas, discales amarillas.

14250. Tetramerium peruvianum (Lindau in Urban) T. F. Daniel Acanth.

HUT (10)
F
US
CAS
K
NY

Hierba frágil escandente hasta 1.5 m. de altura. Brácteas verdes. Flores blancas. det. T. F. Daniel 1987.

PERU: Dept. Cajamarca: Prov. Jaén. Road from Pucará to Chamaya, km. 48 east of Pucará, 7 km. east of Puente Blanco (Río Chunchuca). Alt. 520 m. Dry forest above Río Chamaya. 12 July 1986.

14251. Psittacanthus chanduyensis Eichl. Loranth.
(15) det. J. Kuijt 1987.

F
HUT
LEA
MO
K
NY

Hemiparasito creciendo en rama de Bougainvillea (#14243.) Hojas verde pálidas, glaucas. Flores rojas.

JUL 1 2 1986

HUT 14252. Aristolochia deltoidea HBK. Aristoloch
F-2 (13) det. T. Plowman 1986.
BKL
GTES Trepedora voluble entre arbustos.
US Flores: tubo verdoso-obscuro,
K ápice atropurpureo.

14253. Erythroxylum sp. aff. E. Erythrox.
F (14) impressum O. E. Schulz
HUT QCA Arbusto erecto de hasta 3 m.
MO GB de alto. Hojas verde medio
NY leaves en la faz, verdes pálidas glaucas
USM wood. en el envés: Estéril.
US TEX det. T. Plowman 1986.
K
VEN
UC

1

14254. Jacquinia MUCRONATA ROEM. & SCHULT. Theophrast.
(5) DET. B. STAHL 1989
F Árbol piramidal hasta 8 m. de
HUT alto. con tronco 25 cm.
GB Frutos verdes. Flores anaranjadas.
MO

JUL 1 2 1986

14255. Erythroxylum sp. aff. E. impressum Erythrox.
O. E. Schulz

USM (7)
F
AAU U
G
MO

Arbusto erecto con 2 m. de alto. Hojas verde medio. Estéril. det. T. Plowman 1986.

PERU: Dept. Cajamarca: Prov. Jaén. Road from Pucará to Chamaya, km. 50 east of Pucará, 9 km. east of Puente Blanco (Río Chunchuca). Alt. 520 m. Dry forest along dry rocky quebrada. 12 July 1986.

14256. Urvillea filipes Radlk. Sapind.
(9) det. P. Acevedo R. 1987.

F
HUT
NY
K
MO
UC

Trepadora con 3 m. de alto creciendo en quebrada seca entre rocas. Flores Cremosas. Frutos verdes claros.

live only 14256A. Commeliner
US

PERU: Dept. Cajamarca: Prov. Jaén. Road from Pucará to Chamaya, km. 41 east of Pucará. Puente Blanco, confluence of Río Chunchuca and Río Huancabamba. Alt. 510-520 m. Degraded dry forest on steep slope. 12 July 1986.

14257. Onoseris weberbaueri Ferreyra Comp.
(7) det. M.O. Dillon 1987.

HUT
F
K
NY

Hierba perenne en suelo rocoso abierto. Flores radiadas lilas, flores discales amarillas.

14257A. Onoseris macbridei Ferreyra
F same data - Mixed collection.

JUL 1 2 1986

14258. Eriotheca ruizii (K.Schum.) A. Robyns Bombac.
(10) det. T. Plowman 1986.

F
HUT
K
NY
MO

Árbol con 10 m. de alto con tronco de 35 cm de diam. Flores cremosas. Floreciendo sin hojas.

PERU: Dept. Cajamarca: Prov. Jaén. Road from Pucará to Chamaya, km. 27 east of Pucará, along Río Huancabamba. Chiple. Alt. 660 m. 12 Jul 86.

14259. Tetrasida polyantha Ulbrich Malvac
det. P. Fryxell 1987. (Abutilon chachapoyensis (Bak. f.) Krap.)

HUT (9)
F K NY
CTES MO
TAES
AAU

Arbust de 3 m. de alto. Det. A. Krapov. 1987.
Flores amarillas.

(FRYXELL 1992) → T. CHACHAPOYENSIS (E.G. BAKER) FRYX. a FUERTES Tiliac.

14260. Muntinga calabura L.
(8)

F NY
HUT MO
TEX COL
CR

Árbol con 6 m. de alto. Flores blancas. Frecuente.

14261. Tournefortia SETACEA KILLIP Borag.
(13) DET. J. MILLER 1988

F
MO
HUT
NY
GB

Liana voluble de 5 m. de alto. Flores blancas.

JUL 1 2 1986

14262. Monactis rhombifolia Sagást. + Dillon Comp.
(7) det. M. O. Dillon 1986.

F
HUT
MO
K
NY
US

Arbusto o arbolillo de hasta 7 m. de alto. Las hojas mas grandes con peciolo con 6.5 cm de largo, y limbo rhomboidal acuminado base cuneada de 33 cm de largo por 17 cm de ancho. Capítulos Secos.

14263 Liabum wurdackii Ferreyra Comp.
(8) det. M. O. Dillon 1987.

F
HUT
K
US

Suffrútice de 1.5 m de alto, Capítulos con flores radiales anaranjadas.

14264. Caesalpinia cassioides Willd. Legum.
(9) det. C. Nitzgoda 1986.25

F
HUT
MO
NY
K
G

Arbusto espinoso de 2 m. de alto. Flores rojas.

JUL 1 2 1986

PERU: Dept. Cajamarca: Prov. Jaén. Pucará. Degraded dry open slopes above town. Alt. 880 m. 12 July 1986.

~~Chamaesyce~~ ~~Euphorbia~~ isiocarpa (Kl.) Arther det. M. J. Huft 1987. Euphorb

14265. (2)

F Hierba erecta con hojas rojizas.

JUL 1 3 1986

PERU: Dept. Lambayeque. Prov. Lambayeque.
Abra de Porculla. Road from Olmos to Pucará,
km. 45 east of Olmos. Alt. 1920 m.
13 July 1986.
Dry scrubland on steep hillsides.

13 de Julio 1986.

14266. Arnaldoa macbrideana Ferreyra Comp.
(9)
F
HUT
NY
GB
Arbusto de 1–3 m. de alto.
Capítulos rosado-violáceos. Frecuente.

14267. Gnaphalium purpureum (L.) Cabr. Comp.
(14) det. M.O. Dillon 1987.
F
HUT
K
NY
US
Hierba en el borde de la carretera. Capítulos blanquecinos.

14268. Onoseris albicans (D. Don) Ferreyra Comp.
(9)
F
HUT
NY
K
GB
US
Suffrútice de 40 cm. de alto.
Flores radiales lilas, flores
discales amarillas.

JUL 1 3 1986

14269. *Dalea* *onobrychis* DC. Legum.
(11) det. R. Barneby 1986.
F MO
HUT TEX
NY
K
Suffrútice de hasta 1 m. de alto. Flores azul-moradas.

14270. *Salvia* *squalens* Kunth Labiat.
(15) det. R. Harley 1987.
F TEX
K US
HUT G
NY
MO
Suffrútice de hasta 70 cm. de alto. Corolla rojo.

(H.B.K.) Rob. & Bret.
14271. *Ferreyranthus* *verbascifolius* Comp.
(12) det. M.O. Dillon 1987.
F MO
HUT TEX
K UC
NY
US
Arbusto de hasta 2 m. de alto. Capítulos amarillos. Hojas blancas en el envés.

14272. *Amaranthus* *hybridus* L. Amaranth.
(9) det. C. Niezgoda 1987.
10
F
HUT
MO
NY
Hierba en el borde de la carretera. Tallos rojizos. Flores verdosas.

JUL 1 3 1986

14273. Croton THURIFER KUNTH Euphorb.
(4) DET. J. BLEWETT 1987
F
HUT
K
MO
Arbusto erecto con 1.5 m. de alto. Botones verde-amarillentos.

14274. Abatia canescens Sleumer Flacourt
(1) det. T. Plowman 1986.
F
Arbusto delgado con 1.0 m. de alto. Frutos inmaduros verdes.

MIRABILIS SP.
14275. Boerhavia caribaea Jacq. Nyctag.
(4) det. C. Niezgoda 1987.
F
HUT
NY
Hierba escandente glutinosa con pubescencia purpurea. Flores lilas.

14276. Lupinus cf humifusus Benth. Legum.
(5) det. R Barneby 1986.
F.
HUT
NY
K
Arbusto de 50-70 cm. de alto. Flores azules pálidas. Frutos verdes inmaduros.

JUL 1 3 1986

14277. Minthostachys MOLLIS (BENTH.) GRISEB. Labiat.
(10) (K) 7/2012
F HUT TEX MA K MO NY G Suffrútice con 1 m de alto. Flores blancas.

Viguiera PAZENSIS RUSBY
14278. ~~Heliantholopsis~~ DET. H. ROBINSON 1988 Comp.
(5)
F HUT TENN US Suffrutice de hasta 1.5 m. de alto. Flores radiales y discales amarillas.

SAME LOCALITY AND DATE. HABITAT=
Dry forest along presently dry rocky quebrada.

14279. Inga AFF. VILLOSISSIMA BENTH. Legum.
IN SER. VULPINAE
(9) DET. R.E. GEREAU 1988
F HUT TEX K NY MO US GB AAU Arbol de 8 m. de altura y 15 cm. de diam. Flores en botón con pubescencia ferruginea.

14280. Solanum PLOWMANII S. KNAPP Solanac.
(7) DET. S. KNAPP 1988 HOLOTYPE!
F ~~HUT~~ K NY MO CORD US Arbusto de 2-3 m. de alto. Corolla blanca. Anteras amarillas.

JUL 1 3 1986

14281. Calceolaria Scroph.
(4)
F
GB
K
NY
Hierba creciendo en el fundo de quebrada seca, como unos 40 cm de alto. Flores amarillas pálidas. Frutos maderos marrón.

14282. Blechnum occidentale L. Fern
(6)
F
HUT
GH
AAU
UC
Helecho creciendo en las laderas de quebrada seca, en sombra.

14283. Fleischmannia cookii (B.L.Rob.) K. & R. Comp.
F
HUT
US
NY
TEX
K
(7)
det. H. Robinson 1987.
Hierba de hasta 1 m. de alto creciendo en el fundo de quebrada seca, en sombra. Flores lilas pálidas.

14284. Solanum caripense H. & B. Solanac.
(2)
det. S. Knapp 1987.
F
NY
Hierba trepadora con 2.5 m. de alto, sobre un arbolillo delgado. Flores cremosas.

Collector: Plowman et al. #14281

Determination:
Calceolaria sp. (sect. Perfoliatae) - need flowers to ident. to sp.

Determined by:
Karl A. Vincent, 1990

This specimen has been sent as a gift for determination. When determined, please return this slip to Department of Botany, Field Museum of Natural History, Chicago, Illinois 60605-2496, U. S. A.

JUL 1 3 1986

14285. Cestrum PERUVIANUM ROEM. & SCHULT. Solanac
(6) DET. M. NEE 1988 ! N. HENSOLD 1996
F MO Arbol de 5 m. de alto y 10 cm
NY K diam. Flores con tubo marron
HUT pálido, limbo verdoso.

14286. Picrasma cf. excelsa (Sw.) Planch. Simarouk
(10) det. W. W. Thomas 1987.
F MO Arbol de 6 m. de alto con
NY COL 15 cm. de diam. Perianto verdoso,
HUT LSM anteras amarillas. Sin latex, sin
K INPA olor.
SPF

14287. Clavija EVERGANEA MACBR. Theophrastac
(2) DET. B. STAHL 1987
F Arbusto erecto con 1.5 m. de alto
GB Hojas rosuladas, espinosas,
brillantes en la fez. Estéril.

Liabum solidagineum
14288. ~~Oligactis~~ (H.B.K.) Less. Comp.
(6)
F MO Arbusto con 4-5 m. de alto.
HUT Capitulos amarillos.
US det. M.O. Dillon 1987.
K

JUL 1 3 1986

(B.L. Rob.) K. & R.

14289. Cronquistianthus callacatensis Comp.
(3) det. H. Robinson 1987.
F
US
HUT
Suffrutice con 70 cm. de alto. Cap: tubos blanquecinos.

14290. Anredera densiflora Sperling, sp. nov. Basella.
(2) det. C. Sperling 1987.
F
Hierba carnosa voluble.
Flores cremosas.

14291. Cuscuta Convolv.
(2)
F
FALL
Parasita voluble sobre Cestrum y Vitaceae (Cissus). Flores cremosas.

Boiss.
14292. Euphorbia viridis (Kl. & Gke.) Euphorb.
(3) det. M. J. Huft 1987.
F
HUT
MO
Hierba erecta hasta 1.5 m. con tallo carnosa y latex abundante.
Flores verdosas.

JUL 1 3 1986

14293. Rhynchospora polyphylla Vahl Cyperac.
(5) det. w. w. Thomas 1986.
F Hierba cespitosa creciendo
NY en sombre a la base de un
MO arbol.
USM
K

14294. Acmella oliva (L'Her.) R.K. Jansen Comp.
(6) det. M. O. Dillon 1987.
F NY Hierba annual en el borde
HUT MO de la carretera. Capítulos
CONN blanquecinos.

Orthopobium mexicanum (L.f.) J. Grimes
14295. Psoralea divaricata Willd. Legum.
(7) det. R. Barneby 1986.
F TEX Arbusto con 1 m. de altura.
HUT US Flores azules.
NY K det. J. Grimes 1988.

14296. Iresine Amarnth.
(8)
-F Hierba erecta con 1.5 m. de
-HUT alto. Flores cremoso-verdosas.
NY
K
MO
GB

JUL 1 3 1986

14297. Philoglossa pterocarpa Sandwith Comp.
(2) det. M.O. Dillon 1987.
F Hierba en el borde de la carretera. Flores amarillo-anaranjadas.

14298. Browallia viscosa HBK. Solanac.
(6) det. M. Nee 1986.
HUT MO F NY Hierba anual en el borde de la carretera. Flores azules intensas.

14299. Vriesia Bromel.
(1)
F Epifita en un arbol. Brácteas rojas. Corola verde claro amarillenta, con la apice negra.

JUL 1 3 1986

PERU: Dept. Lambayeque. Prov. Lambayeque. Road from Olmos to Abra de Porculla, km. 29 east of Olmos. Alt. 1170 m. Dry disturbed roadside with many Compositae and Convolvulaceae. 13 July 1986.

14300. Ipomoea parasitica (H.B.K.) G. Don Convolv.
(10) det. D. F. Austin 1986.
F HUT FAU MO NY WIS
Voluble con tallos pruinosos. Tubo de corolla amarilla, limbo violaceo. Frutos inmaduros verde pálida.

(H.B.K.) Custr.
14301. Pseudogynoxys sonchoides Comp.
(13) det. M. O. Dillon 1987.
F HUT MO US
Hierba rastrera escandente. Flores anaranjadas.

14302. Vernonia canescens H.B.K. Comp.
(9) det. M. O. Dillon 1987.
F HUT LAM MO NY TEX
Arbusto con 2 m. de altura. Capítulos lilas.

JUL 1 3 1986

14303. Verbesina pentalobifolia Sagást. Comp.
(7)
F LP
K US
NY MO
TEX
Arbusto con 3-4 m. de altura.
Capítulos amarillos.

14304. Chromolaena odorata (L.) K. & R. Comp.
(7) det. H. Robinson 1987.
F K
HUT NY
US
Suffrutice con 1.8 m. de alto.
Capitulos azul-morados pálidos.

14305. Jacquemontia weberbaueri Helwig Convolv.
F (10) det. D.F. Austin 1986.
HUT K
FAU NY
MO
Hierba voluble. Flores azules.

14306. Cyperus mutisii (HBK.) Griseb. Cyperac.
(8) det. G. Davidse 1986.
F K
HUT NY
MO
Hierba cespitosa en el borde del camino.

14307. Verbesina CF. ALOPHYLLA BLAKE Comp.
DET. H. ROBINSON 1988
F (9)
HUT
TEX
US
Suffrútice con 1.8 m. de alto.
Capitulos verdosos claros.

JUL 1 3 1986

Piptocarpha gutierrezii Cuatrec.

14308. ~~Vernonia~~ det. M. O. Dillon 1987. Comp.

(10)

HUT TEX
F US
NY K
LAM GA
LP

Arbusto con 3 m. de alto, muy ramificado. Capitulos blancos.

14309. Ipomoea asarifolia (Desr.) Roem. + Schult. Convolv.

(5) det. D. F. Austin 1986.

F
FAU
HUT

Voluble rastrera. Flores blancas.

14310. Alternanthera PORRIGENS (JACQ.) Amaranth.

(8) nv. "moradillo" KUNTZE

MO
NY
GB
K
USM

Hierba escandente con 1–2 de largo. Inflorescencias moradas.

DET. N. HENSOLD 1990

Total Peru 837

Coll T. Plowman & P. Alcorn

JUL 17 1986

ECUADOR: Prov. Guayas: Road from Guayaquil to Salinas, km. 89-90 from Guayaquil, just east of village of Buenos Aires. Alt. 35 m. Dry thorn scrub.
17 July 1986.
Coll.: Timothy Plowman & Peter Alcorn.

~~Dry thorn Scrub.~~

Ruellia floribunda Hook. det. D. Wasshausen 1987.

14311. Ruellia inundata HBK. Acanth.
(4) det. T. F. Daniel 1987.
F US CAS QCA
scandent Subshrub 2 m. Flowers reddish purple.

14312. Capparis avicennifolia H.B.K. Cappar.
(4) det. H. Iltis 1986.
F WIS QCA GB
Shrub 2.5 m. tall, densely branched. Flowers creamy white.

14313. Maytenus octogona (L'Her.) DC. Celastr.
(4) det. T. Plowman 1986.
F QCA GB NY
Shrub 2 m. tall. Leaves somewhat fleshy. Flowers yellowish green.

JUL 1 7 1986

14314. Erythrina velutina Willd. Legum.
F (2) det. C. Niezgoda 1986.
Photos. Armed tree 10 m tall with wide spreading crown. Flowers reddish orange, erect.

Ecuador: Prov. Guayas: Road from Guayaquil to Salinas, km. 111 from Guayaquil. Dry thorn scrub. 17 July 1986.

14315. Browallia americana L. s.l. Solanac.
F (5) det. M. Nee 1986.
NY Herb on dry sandy roadbank.
MO Corolla ~~very~~ pale blue, verging
QCA on white in all plants seen,
GB the "eye" pure white.

14316. Oxalis dombeii St. Hil. Oxalid.
(4) det. A. Lourteig 1987
F Herb on dry open sandy roadbank.
P Stems succulent, red. Flowers
QCA yellow.
GB

JUL 1 7 1986

14317. *Mimosa debilis* Willd. var. *aequatoriana* (Rudd) ined. det. R. Barneby 1986. Legum.
(5)
NY GB F AAU QCA
Shrub on dry roadbank with radiating near prostrate branches. Flowers pink. Fruits light green.

14318. *Desmodium glabrum* (Miller) DC. det. B. G. Schubert 1986. Legum.
(3)
F GH QCA
Erect herb on dry roadbank. Flowers pink. Immature fruits yellowish green.

ECUADOR: Prov. Guayas: Road from Santa Elina to Olón, km. 14 north of Santa Elena, along Pacific Ocean. Shrub island in low dunes along highway.
17 July 1986.

14319. *Vallesia glabra* (Cav.) Link det. T. Plowman 1986. Apoc.
(4)
F WAG GB
Shrub 2 m. Flowers cream. Fruits translucent white.

JUL 1 7 1986

14320. Coccoloba ruiziana Lindau Polygon.
(4) det. J. Brambyge 1987.
F Shrub 3–4 m. with spreading
GH branches. Stam. flowers yellowish
AAU green, covered with large flies.
QCA

14321. Cryptocarpus pyriformis HBK. Nyct.
(4) Subshrub 1.5 m. tall with
F QCA scandent branches. Flowers
GB K greenish white. det. T. Plowman Dec 986.

ECUADOR: Prov. Guayas: 3 km. north of Montañita, 1 km. south of Olón. Steep dry disturbed cliffs facing Pacific Ocean. 17 July 1986.

14322. Cattleya maxima Lindl. Orchid.
(1) det. J. T. Atwood 1987.
f Epiphyte on tree branch.
Petals and sepals lavender pink,
lip ~~white~~ lavender pink with
white nectar guide and red-
purple reticulate veins.

JUL 17 1986

14323. Stigmaphyllon ellipticum (HBK.) Adr. Juss. Malpigh.
(5) det. C. Anderson 1987.
F MICH QCA GB MO
Twining vine among shrubs on open roadside. Flowers bright yellow.

14324. Lycium americanum Jacq. Solanac.
(2) det. T. Plowman 1987.
NY F
Shrub 2 m: on steep open slope. Flowers cream. Leaves fleshy.

14325. Passiflora foetida L. Passifl.
(2) det. S. Knapp 1987.
F AAU
Climbing herbaceous vine. Flowers white. Immature fruits yellowish green.

14326. Hemistylis boehmerioides Benth. Urticac.
(3) det. T. Plowman 1986.
F GB QCA
Sprawling shrub from long horizontal branches. Stems somewhat succulent. Leaves white on lower surface, (stick to your clothes). Inflorescences pale green.

JUL 1 7 1986

14327 Peperomia fraseri C.DC Piper. 1995
(5) det. T. Plowman 1987. ! R. CALLEJAS

F HUA NY QCA GB

Delicate erect, semi-succulent herb under shade of shrubs. Stems and petioles reddish. Spikes creamy white.

14328. Boerhavia caribaea Jacq. Nyctag.
(4) det. C. Niezgoda 1987.

F QCA NY GB

Sprawling herb on open roadbank. Leaves silvery on lower surface. Flowers magenta.

14329. COMMICARPUS TUBEROSUS (LAM.) STANDL. Nyctag.
(4) DET. C. NIEZGODA 1988

F NY MO GB

Sprawling herb on open roadside. Leaves rather shiny above, lighter green beneath. Flowers magenta.

JUL 17 1986

ECUADOR: Prov. Manabí. Puerto de Cayo, ca. 3 km. east of town along road to Jipijapa. Alt. ca. 20 m. Tropical dry forest on flat ground.
17 July 1986.

14330. Jacquinia SPRUCEI MEZ Theophrast
(4) DET B. STAHL 1989
F GB QCA MO
Tree 6 m. tall with columnar shape, 20 cm. diam. Flower buds green. Fruits dull orange. Frequent.

14331. Achatocarpus PUBESCENS C.H. WRIGHT Phytolaccac.
F GB QCA NY (4) DET. U. ELIASSON 1992
Shrub 2.5 m. tall. Immature fruits green.

14332. Pithecellobium excelsum (Kunth) Mart. ex Benth. Legum.
(4)
F GB MO QCA K
Shrub or small tree to 6 m. tall. Calyx dark red. Fitements white. Fruits dark red. Aril white. Seed black.
det. C. Niezgoda 1986.

E. rubra

Tree 8m tall with branched spreading crown. Trunk to 30 cm dia. Bark rusty brown fissured longit., flaking in broad pieces.

JUL 1 8 1986

ECUADOR: PROV. MANABÍ: Montecristi. Cerro Montecristi, eastern slopes above town.
Alt. 300-400 m.
18 July 1986.

Habitat: Dry steep slopes below cloud layer.

14333. Erythroxylum glaucum O. E. Schulz Erythrox.
(6) det. L. Plowman 1986.

F
QCA
AAU
GB
NY
MO

Shrub or tree to 6 m. tall with much branched spreading crown. Leaves medium green with pale green mid rib on upper surface, shiny; dull, light yellowish green on lower surface with greenish white mid rib. Sterile. Fairly frequent.

Habitat: Transition zone at lower edge of cloud belt.

14334. Solanum deflexum Greenm. Solanac
(5) det. M. Nee 1986.

NY
F
GCA
GB
AAU

Rhizomatous herb in shade of trees. Corolla white. Anther yellow.

JUL 1 8 1986

(Dunal) O. Kuntze, det M Nee 1987.

Capsicum rhomboideum O. Kuntze

14335. Capsicum ciliatum (HBK.) Solanac.

(5) det. S. Knapp 1987.

NY AAU MO F CORD QCA

Slender erect virgate shrub 1–1.5 m. tall. Flowers pendulous, corolla dull yellow, anthers cream. In shade of trees.

14336. Euphorbia spruceana Boiss. Euphorb.

(4) det. M. J. Huft 1986.

F QCA GB NY

Scandent shrub to 2 m. tall in semi-shade. Stems with abundant latex. Infls. greenish white.

14337. Euphorbia insulana Vell. Euphorb.

(2) det. M. J. Huft 1986.

F QCA

Low herb in forest floor, arising from succulent horizontal stems (with latex) forming dense patch. Leaves variegated with inverted "V" in upper half of leaf, resembling red clover. Bracts creamy white.

JUL 1 8 1986

14338. Clusia Guttif.

GB (2)
F

Epiphytic shrub 4 m. across. Fruits immature, green, 8-9-ribbed.

14339. Cryptocentrum cf. latifolium Schltr. Orchid.

(1)
F

Epiphyte on tree trunk. Flowers light brown throughout. det. - T. Atwood 1987.

14340. Erythroxylum ruizii Peyr. Erythrox.

(11)
F
QCA
NY
MO
K
AAU
GB
G
Col
GUAY
US

det. T. Plowman 1986. Treelet 3.5 m. tall x 6 cm. diameter growing at lowermost edge of cloud zone. Leaves dark green above, shiny; yellowish green, lighter, shiny below; margin lightly undulate. Flowers creamy white, yellowing with age. Fruits juicy, dark burgundy, ca. 1 cm long, ellipsoid. Long-styled plant.

WOOD: Uw

JUL 1 8 1986

14341. Erythroxylum ruizii Peyr. Erythrox.
(13) det. T. Plowman 1986.

F
QCA
K
US
Mo
NY
AAU
GB
S
USM
G
P
MA

Tree 8 m. tall x 30 cm. diam. with broad spreading crown, much branched; growing in lower most edge of cloud zone.
Leaves dark green, shiny on upper surface; lighter yellowish green, shiny on lower surface, lightly undulate at margin. Flowers creamy white, yellowing with age.
Long-styled plant.
Bark rusty brown, fissured longitudinally flaking in broad flakes.

14342. Erythroxylum ruizii Peyr. Erythrox.
(13) det. T. Plowman 1986.

F
QCA
NY
MO
GB
AAU
K
GH
COL
G
GUAY

Treelet 4 m. tall x 5 cm. diam., growing partial shade in lowermost part of cloud zone.
Leaves dark green, shiny on upper surface, lighter yellowish green shiny on lower surface, lightly undulate at margin. Flowers creamy white yellowing with age.
Short-styled plant.

JUL 1 8 1986

14343. Eugenia Myrtac.
(4) L. LANDRUM 1988

F
ASC
MO
GB

Tree 5-6 m. tall. Sepals creamy yellow. Petals and filaments + anthers pure white. Fruit red at maturity.

14344. Pavonia leucantha Garcke Malvac.
(4) det. P. Fryxell 1987.

F
AES
QCA
MO

Perennial herb or suffrutex on moist forest floor. Flowers rose-pink.
PAVONIA SCHIEDEANA STEUDEL
DET. P. FRYXELL 1991

14345. Macleania PENTAPTERA HOEN. Ericac.
(4) DET. J. LUTEYN 1987

NY
F
QCA
~~MO~~
MO

Epiphytic shrub ca. 2 m. across with pendant branches. Pedicel and calyx dull maroon, corolla 5-angled, red with green tip and lobes, waxy.

JUL 1 8 1986

14346. Gesner.

(4)

F
US
AAU
MO

Climbing herb on tree trunk with fleshy stem. Calyx light green. Corolla creamy white, throat within with brownish stripes.

14347. Eugenia Myrt.

(5) I. LANDROH 1988

F
ASC
MO
QCA
NY

Tree 7-10 m x to 25 cm. diam. Sepals green. Petals white tinged pink. Filaments white, anthers yellow.

14348. Trichostigma octandrum (L.) H. Walt. Phytolacca

(3)

F
GB
QCA

Weak shrubs 2-3 m. tall, scandent, growing in open dry forest. Flowers very pale green, filaments white.

det. C. Niezgoda 1987. ! U. ELIASSON 1992

JUL 1 8 1986

Celtis iguanea (Jacq.) Sarg. Ulmac
14349. ~~Ziziphus~~ det. R.B. Foster 1987. ~~Rhamnac~~
(3)
F Suct shrub 3-m. tall in open dry
GB forest. Fruits pale orange,
QCA mildly astringent.

14350. Rhipsalis micrantha (HBK.) DC. Cacti.
(6) Long-pendent epiphyte
F 1-2 m. hanging from crotch of
AAU tree in moist forest. Flowers
NY creamy white.
MO det. J.E. Madsen 1987.
QCA
K

14351. Markea pavonii (Miers) D'Arcy Solanac
(4) (Ectozoma pavonii Miers)
NY Epiphytic shrub 2-3 m.
CORD arising from large storage tuber,
F branches pendulous. Calyx pale
QCA ~~bright~~ green. Corolla waxy,
cream-colored, lobes recurved.

JUL 1 8 1986

14352. Tournefortia bicolor Sw. Boragin.
(3) det. J. S. Miller 1988.

F
MO
QCA

Scandent shrub 2-3 m. growing at edge of cloud forest. Corolla tube light green, lobes white.

14353. Picramnia latifolia Tulasne Simaroub.
(4) det. José Pirani, 1986.

NY
F
QCA
GB

Tree 7-8 m. x 15 cm. diam. Fruiting inflorescences on mature branches. Fruits bright red. In cloud forest.

14354. Solanum confertiseriatum Bitter Solanac.
(4) det. S. Knapp 1987.

NY
F
K
QCA

Tree to 6 m. tall in moist forest. Corolla white. Anthers yellow.

JUL 1 8 1986

14355. Neea Nyctagin.
(5)
F
GB
NY
MO
Tree 8 m. tall × 10 cm. diam. in moist forest. Inflorescence axis carmine pink. Fruits fleshy, purple-black.

14356. Hilleria secunda (R. + P.) H. Walt. Phytolacc.
(3)
det. C. Niezgoda 1987. ! U. Eliasson 1992
F
GB
QCA
Perennial herb in understory of moist forest. Flowers creamy white.

14356A. Eucrosia Stricklandii Amaryll.

seeds only. → FLAS
Bulb-bearing herb on dry slopes among shrubs. Flowers pale red-orange.

JUL 1 9 1986

ECUADOR: PROV. MANABÍ: Road from Jipijapa to Pedro Carbo, ca. 12 km. south of Jipijapa. Alt. 300-350 m. Dry open roadbank. 19 July 1986.

Solanac. Solanac.

14357. Lycopersicon esculentum L. var. leptophyllum (Dun.) D'Arcy det. M. Nee 1987.
(4)
seed NY Photo F MO QCA DAV

Herbaceous vine on dry open roadside. Flowers yellow. Fruits bright red.

14358. Cucurbita ecuadorense Cutler ↓ Whitaker Cucurbit.
det. T. Andres 1986.
(15)
FRS. separate seeds. Photo BH-4 NY-2 F-4 US AAU K QCA MO

Herbaceous vine trailing on bare ground on dry open disturbed road bank. Arising from long, fleshy, whitish taproots; Rooting at nodes with long fleshy roots. Juvenile leaves dark green, mottled pale green along major nerves, mature leaves green throughout. Fruits globose, to 15 cm. diameter, dark green, or dark green mottled with whitish spots and stripes, or pale yellow throughout. Flesh creamy

Slides: BH M.Nee

JUL 1 9 1986

bitter.
White. Seeds dirty cream colored with tan margin.
Frequent.
N. V. alamama – fruits fed to burros.

Mart. ex Benth.
14359. Canavalia brasiliensis Legum.
(2) det. C. Niezgoda 1987.
F Herbaceous twining vine among
QCA shrubs on dry open road bank.
Fruits immature, green.

14360. Merremia aegyptia (L.) Urban Convolv.
(3) det. D.F. Austin 1986.
F Twining vine among shrubs on
FAU dry open road bank. Corolla white.
QCA Calyx with golden brown hairs.

14361. Merremia quinquefolia (L.) H. Hallier Convolv.
(2) det. D.F. Austin 1986.
F Twining vine among shrubs on dry
FAU open road bank. Corolla white!

JUL 1 9 1986

ECUADOR: PROV. MANABÍ. Road from Jipijapa to Pedro Carbo, 17 km. southeast of Jipijapa. Alt. ca. 360 m. Transitional area from dry to moister forest.
19 July 1986.

14362. Liabum eggersii Hieron. Comp.
(6) det. M. O. Dillon 1986.
F US Herb 5 m. tall with numerous
US stalks, growing on steep open
HUT road bank. Capitula golden
NY QCA yellow. Leaves medium yellow-
green above, whitish beneath.

14363. Ipomoea setosa Ker. Convolv.
(4) det. D.F. Austin 1986.
F Coarse vine on steep open roadbank
FAU among shrubs. Hairs on stems
QCA brownish. Immature fruits
AAU pale green. Fruiting sepals
pale green, fleshy.

14364. Jungia sodiroi Hieron. Comp.
(10) Giant herb to 4 m. tall, stems
F-2 MO solitary. Capitula white.
GB QCA det. M. O. Dillon 1987.
AAU K
NY COL

JUL 1 9 1986

ECUADOR: PROV. MANABÍ: Road from Jipijapa to Pedro Carbo, 19 km. southeast of Jipijapa. Alt. 390 m. Transition from dry to moister forest.
19 July 1986.

14365. *Ipomoea ophioides* Standl. & Steyerm. Convolv.
(5) det. D.F. Austin 1986.
F Twining vine on dry, disturbed
EAU road bank. Corolla blue-
NY violet, ~~dark~~ blue-violet in throat.
AAU
QCA

14366. *Chromolaena roseorum* (B.L. Robinson) Comp.
(4) K. & R. — det. H. Robinson 1986.
F AAU Erect herb 1 m. tall on open
US disturbed road bank. Capitula
QCA pale blue-lavender. Frequent weed.

14367. *Cucurbita ecuadorense* Cutler & Whitaker Cucurbit.
(6) det. T. Andres 1986.
F Same data as 14358, except: Flowers:
QCA yellow-orange, visited by
BH numerous yellow-black striped
NY beetles. No fruits.
K
US

JUL 1 9 1986

ECUADOR: PROV. MANABÍ: Road from Jipijapa to Pedro Carbo, ca. 25 km. southeast of Jipijapa. Alt. 320 m. Transition from dry to moister forest.

14368. Verbesina gigantea Jacq. Comp.
(12) det. M.O. Dillon 1987.
F-2 QCA NY TEX-2 US-2 AAU-2 Tall solitary treelet 2-5 m. tall. Capitula creamy white; much visited by bees.

14369. Pluchea symphytifolia (Mill.) Gillis Comp.
F (5) AAU branched bushy
NY QCA shrub to 2 m. tall. Capitula
US dull magenta pink. det M.O. Dillon 1986.

14370. Mikania cordifolia (L.f.) Willd. Comp.
(4) det. W. C. Holmes 1986.
F QCA Herbaceous vine among
Holmes AAU shrubs in open roadside.
Capitula creamy white.

14371. Vernonia patens HBK. Comp.
(7) det. M.O. Dillon 1986.
F QCA branched Large shrub to 4 m. tall.
LAM GB Capitula white, sweet fragrant.
NY
AAU

JUL 1 9 1986

ECUADOR: PROV. GUAYAS: Environs of Pedro Carbo. Alt. 50 m.

19 July 1986.

14372. *Macranthosiphon longiflorus* Bignon. (Cav.) K. Schum. det. A. Gentry 1986.
(7)

F GB
MO AAU
QCA NY
K

Scandent vine to 2 m. tall in open shrubby areas along road. Corolla tube light orange, limb orange. Anthers creamy white.

ECUADOR: PROV. GUAYAS: Road from Guayaquil to Pedro Carbo, km. 35-36 from Guayaquil. Alt. 20 m. Area cultivated with rice fields. 19 July 1986.

14373. *Thalia geniculata* L. Marant.
(10) det. L. Andersson 1987.

F-2
GB-2
QCA-2
NY-2
MO-2
K

Erect rhizomatous herb to 4 m. tall in open drainage ditch adjacent to rice fields. Stems and petioles shiny light green. Pulvinus creamy yellow. Leaves: upper surface dull medium green; lower surface lighter green, rather shiny, lightly pruinose

JUL 1 9 1986

Bracts shiny, dark purple in basal half, light green in upper half. Flowers purple.

Ecuador 305 total.

USA: Illinois. Cook County. Chicago.
3311 N. Seeley.
27 July 1986!

(Mill.) Thell.

14374. Eruca vesicaria (L.) Cav. var. sativa Crucif.
(1) n. v. Sold as "Evening Rocket".

F-2
GUAM
BH
MO
AAH
MBM
COL
XAL
MEXU

Cult. herb 60 cm. tall grown from seed. Petals very pale yellow with fine dark brownish veins. Fruits immature, green.

14375. Cyperus esculentus L. Cyperac.
(5)

F
NY
BH
MO
MBM
ECON
MEXU
TEX
COL

n. v. "Chufa Nut" (Ex Henry Field).

Cult. sedge grown from dried rhizomes ("chufa nuts"). Sold as hog feed. Spikelets greenish yellow.

14376. Pardanthopsis dichotoma Iridac.
(2)

F
[redacted]
NY

Cult. cespitose herb to 1.5 m. tall. Flowers pale lavender, opening in early evening, visited by flies.

14377. Helichrysum bracteatum Andr. Comp.
(1) det. c. Niezgoda 1987.

F

Cult. herb 40 cm. tall, much branched from base. Leaves rubbery. Rays scarious pink. Disk yellow.
"Strawflowers"

14378. Allium christophii Trautv. Liliac.
(2)

F
MO

Cult. bulbous herb. Fruits pale green turning tan. Seeds black.
n.v. Stars-of-Persia

3 Aug 1986 · 3311 N. Seeley,
Chicago, Il.

14379. Linum perenne L. Linac.
(5)

F
MO
GUAM
BH
XAL

Cult. perennial herb. Flowers pale blue, opening in the morning, petals falling by afternoon.

14380. Mentha x gentilis L. Lab.
(3)
det. R. Harley 1987.

F
K
BH

Cult. perennial herb to 1 m. tall. Flowers pure white. Foliage aromatic.

14381. Zinnia Comp.
(3)

F
GMA
BH
INPA

Cult. ornamental annual, to 1 m. tall. Ray flowers magenta. Disc flowers yellow=

14382. Gypsophila Caryop.
(1)

F Perennial cult. ornamental herb, 40 cm. tall. Flowers pure White.
Purchased from Henry Field Nursery

14383. Tagetes cv. 'Snowbird' Comp.
(4)

F
GUAM
BH
NO Cult. Annual herb 40 cm. tall. Flowers creamy white.
Ex Burpee.

14384. Echinacea purpurea Comp.
(2) nv: "Purple Coneflower"

F
BH Cult. perennial herb to 1 m. tall. Rays purplish pink.
Disc orange.
Ex Bluebird Nursery.

14385. Lysimachia Primulac.
(1)

Cult. perennial 60 cm. tall.
Flowers bright yellow.
From Harrisburg, Pennsylvania.

14386. Aster laevis L. Comp.
F (7) det. C. Niezgoda 1967.
GUAM Cult. perennial herb 60 cm. tall.
COL Foliage glaucous. Rays pale
MBM blue-violet.
BH From M. Shemluck: Canada.
MEXU
CR

14387. Celosia argentea L. var. Amarnth.
(4) cristata (L.) Kuntze
F Cult. annual 1.8 m. tall. Flowers
BH greenish, yellowish or carmine
NY pink. Grown from commercial
GUAM seed.
N.V. Cockcomb.

14388. Setaria viridis (L.) Beauv. Gram.
(5) Cult. (accidentally) grass
F COL From Harrisburg, PA. - Beaver Creek.
GUAM MBM Spikes pale green,
LP

14389. Gram.
(1)
F Cult. (accidentally) grass to 70 cm. tall. Spikes pale green.

14390. Anthemis cotula L. Comp.
(2) nv. Chamomile
F Cult. annual herb.
GUAM Rays white. Disc yellow. Aromatic.

14391 - Aconitum napellus L. Ranunc.
(2) nv. monkshood

Cult. perennial herb 1.5 m tall, scandent. Flowers deep blue-violet.

14392. Oxalis tuberosa Mol. Oxalid.
(5)
F Cult. from tubers purchased in
MO market in Puno, Bolivia,
BH by Steven King.
NY
MEXU

Herb with fleshy stems. Leaves dark green above, reddish purple beneath. Sterile.

14393. Platycodon Campanul.
(2)

F
BH

Cult. perennial herb, erect, 40 cm tall. Flowers pure white.

14394. Nicotiana cf. alata Link & Otto. Solanac.
(5)

F
GUAM
NY
COL
MBM

Cult. annual herb 1 m. tall. Flowers deep red–violet, pink, or white.

14395. Lobelia cardinalis L. Campanul.
(3)

F
GUAM
MBM

Cult. perennial herb 1.5 m. tall. Stems and leaves dark purple. Flowers bright red.
Ex Bluebird Nursery

21 Aug 86

14396. Clematis integrifolia L. Ranunc.
(1)
F Viney subshrub 30 cm tall. Tepals blue-violet- stamens & Pistils yellow.
Purchased from Henry Field, where sold as "Bush Clematis."

14397. Liatris pycnostachya Michx. Comp.
(2)
F Cult. perennial herb to 1.0 m.
COL tall.

14398. Eupatorium perfoliatum L. Comp.
(5) n.v. boneset
F Cult. perennial herb 1.2 m.
GUAM tall. Flowers white.
MBM Collected wild along Beaver Creek,
BIT Lower Paxton Township, Dauphin
MO Co., Pennsylvania.

14399. Eupatorium purpureum L. Comp.
F (4) n.v. Joe-Pye-Weed.
MBM Cult. perennial herb 1.3 m. tall.
GUAM
BIT

Stems glaucous-pruinose. Fls. lavender. collected with at 6780 Hickory Lane, Harrisburg, Penna.

1 Sept 86

14400. Ruta graveolens L. Rutac.
(4)
F-2
GUAM
BH
Cult. perennial herb with bluish glaucous foliage. Fruits yellowish green.

14401. Lobelia syphilitica L. Lobel.
(1)
F
Cult. perennial herb 50 cm. tall. Flowers light blue-violet.

14402. Scutellaria galericulata L. Labiat.
(3)
det. C. Niezgoda 1987 -
F
MEXG
MBM
Volunteer herb, much branched, / 40 cm. tall. Flowers blue-violet.

14403. Agrimonia parviflora Ait. Rosac.
F (2)
GUAM
Cult. perennial herb 1 m. tall. Flowers bright yellow. Imm. frs. green.

Sept. 7, 1986.

14404. Lobelia erinus L. Lobel.
(1) Cv. 'Crystal Palace'
F Cult. herb grown from commercial seed. Flowers intense blue-violet.

14405. Centaurea maculosa Lam. Comp.
(7)
F
GUAM
BH
MO
MEXH
COL
TEX
Cult. herb 80 cm. tall, transplanted from dry field near Beaver Creek, Lower Paxton Twshp, Harrisburg, Pennsylvania. Flowers light purple.

14406. Ricinus communis L. Euphorb.
(1)
F Cult. ornamental 3 m. tall, grown from seed as annual. Leaves dark purplish green above, shiny, medium green beneath. Stems and petioles coppery red. ♂ flowers cream; ♀ flowers light red.

F BH Sept 15, 1986
GUAM MEXU
INPA RB
MBM 14407. Humulus lupulus L. Cannab.
COL (10) n.v. Hops.
NY
MO Cult. herbaceous vine. Bracts
Econ. Bot. greenish yellow.
Collection

14408. Rudbeckia laciniata L.
(4) n.v. yellow coneflower
F Cult. perennial herb 2 m.
GUAM tall. Ray florets bright yellow.
BH Disc yellowish-green.
COL Transplanted from the wild
along Beaver Creek near Rt.
88, Lower Paxton Township,
Dauphin County, Pennsylvania.

14409. Bidens cernua L Comp.
(5) det C. Niezgoda 1987
F Volunteer herb 1 m. tall in
GUAM flower garden. Rays bright
COL yellow. Disc golden yellow.
MBM
MEXU
TEX

14410. Dianthus Caryophyll.
(2)

F
BH

Cult. perennial herb, 20 cm. tall. Petals bright red.

14411. Clematis macropetala Ledeb. Ranunc.
(1) cv. Markham's Pink

F

Cult. perennial herbaceous vine, grown from rhizomes from Wayside Gardens. Flowers ~~dark~~ pale pink-violet.

Ranunc.

14412. Thalictrum rochebrunianum
(1) Franch. & Sav.

F

Cult. perennial herb. Foliage with purplish tinge. Immature fruits yellow-green.

21 Sept 86.

14413. Allium tuberosum Rottl. ex K. Spreng. Liliac.
(3) n.v. chinese garlic.
F NY MBM Cult. clump-forming tuberous herb with strong oniony odor. Flowers white. Mature fruits tan.

14414. Artemisia abrotanum L. Comp.
(1) n.v. Southernwood
F Subshrub 60 cm. tall with very aromatic foliage. No flowers produced in 3 years of cultivation.

14415. Lathyrus odoratus L. Legum.
(1) n.v. "sweet pea"
F cult. perennial herbaceous vine from thick woody root. Flowers rose pink.

21 Sept 1986.
Illinois: County. Route 90
near Belvedere.

14416. Dyssodia papposa (Vent.) Hitchc. Comp.
(5) Low weedy herb on open gravelly
F roadside. Flowers yellow-
NY orange. Foliage very aromatic.
COL det. C. Niezgoda 1987.
MBM
GUAM
29 Sept 1986.

14417. Phryma leptostachya L. Phryma.
(1)
F Cult. perennial herb 60 cm.
tall. Fls. pale yellow. Originally
from the wild at The Plains,
Virginia.

14418. Ipomoea alba L. Convolv.
(5)
Cult. aggressive herbaceous
vine. Fls. pure white, very
fragrant in evening, open-
ing at dusk.

FIELD MUSEUM OF NATURAL HISTORY

Cyperus prolixus H.B.K.

U.S.A.: Illinois. Chicago. 3311 North Seeley Ave.

Cultivated corase herb 2 m. tall. Spikelets yellow-brown. Leaves medium green above, silvery beneath.

Grown from rhizome of Plowman 13545, Venezuela, Terr. Federal Amazonas, San Carlos de Rio Negro. 21 April 1984.

N.v. "piripiriaca"
Use - fresh rhizome grated, mixed with water; drunk by women to counteract taboo against eating certain large fishes (catfish).

Coll. Timothy Plowman 14420 6 Ocotober 1986

6 Oct 1986.

14419. Cobaea scandens Cav. — Polemon.

(1)
F
BH

Cult. herbaceous vine grown as ornamental. Calyx pale green. Corolla purple.

14420. Cyperus prolixus HBK. — Cyperac.

(8)
F-2
NY-2
MO
ECON
AAU
FLAS
TEX
INPA
COL

Cult. coarse herb 2 m. tall. Spikelets yellow-brown. Leaves medium green above, silvery beneath.

Grown from rhizomes of Plowman 13545, Venezuela, Terr. Fed. Amazonas, San Carlos de Rio Negro. 21 Apr 1984.

piripiriaca — fresh rhizome grated, mixed with water, drunk by women to counteract taboo against eating certain large fishes (catfish).

14421. Leonotis leonurus R. Br. Labiat.

(5)

F AAH Cult. herb 1 m. tall. Flowers white with
BH NY bright orange hairs, lip white.
MO

with José Pirani – 13 oct 1986 Aroc.

14422. Sauromatum guttatum (Wall.) Schott

(1)

F Cult. tuberous herb. Bulb dull greenish white. Petiole pale green mottled with dark brown spots. Leaf blade dark green above, dull; pale green, slightly shiny beneath. Sterile.

19 Oct 1986.

14423. Helianthus tuberosus L. Comp.

(4)

F Cult. perennial herb 3 m.
GUAM tall. Rays and disc yellow.
COL Stem dark purple.
RB

27 Oct 1986.

14424. Dahlia Comp.
(2)
F
BH Cult. annual herb 40 cm. tall. Rays white. Disc golden yellow.

14425. Dahlia Comp.
(1)
F Cult. herb 40 cm. Rays magenta. Disc golden yellow.

14426. Artemisia dracunculus L. Comp.
(1)
F Slender subshrub 30 cm. tall with aromatic foliage. Sterile. N. v. "French Tarragon"

1 Nov 86

14427. Xanthosoma Arac.
(2)
F-2 Cult. herb 50 cm tall. Leaves medium green above, paler green beneath. Spathe immature med. green. Spadix light purple. Orig. coll. by A. Fernandez, La Soufriere St. Lucia, W.I. N. v. calalu

14 NOV 1985. Field Museum

14428. Erythroxylum ovalifolium Peyr.

(1)

F Seedlings grown from Plowman 12840 ex Brazil.

3311 N Seeley, Chicago, Ill.

14 NOV 1986.

14429. Tricyrtis hirta (Thunb.) Hook. Liliac.

(3)

F Cult. tuberous herb

BH 30 cm. tall. Fruits pale

GUAM green. From Weyside Gardens.

n.v. "Japanese Toad Lily"

15 Aug 1986.

14430. Malus sylvestris Mill. Rosac.

(2)

F Tree 6 m. tall. Fruits

GUAM light green.

Field Museum
Chicago, Illinois
28 Dec 1986.

14431. Erythroxylum areolatum L. Erythrox.
(14)

F
MO
CR
PMA
NY
COL
VEN
MEXU
HNMN
EAP
XAL

Cult. treelet 2 m. tall, grown in pot from cutting. Leaves medium green above, dull; paler green beneath, often with 2 parallel lines. Old flowers persisting from earlier bloom.

Original Collection:
Plowman 6346. Bahamas; South Andros 1976.

14 Mar 1987.

14432. Erythroxylum haughtii HBK. Erythrox
(13)

J. Duke
→ USDA
Nov '87
MO HUA
F GH
NY WIS
US TEX
MARY MEXU
QCA MA

Cult. treelet 4 m. tall. Leaves light green above, very pale green beneath. Flowers pale greenish.
Orig. Collection: Colombia:
6276 ex 4301.

10 Apr 87. Field Museum. I.M. Johnst.

14433. Nolana humifusa (Gouan) Nolanac.

(1)

F Cult. seedlings. Seeds Planted 10 Mar 1987, germinated 17 Mar 1987.
Source: Zentral Institute für Genetik und Kulturpflanzenforschung, Gatersleben, German Democratic Republic.

14434. Nolana paradoxa Lindl. Nolanac.

(1)

F Cult. seedlings. Seeds planted 10 Mar 1987, germinated 17 Mar 87, Source: same as 14433.

14435. Nolana prostrata L.f. Nolanac.

(1)

F Cult. seedlings. Seeds planted 10 Mar 1987 germinated 17 Mar 87. Source: Same as 14433.

14436. Withania coagulans (Stocks.) Dunal Solanac.

(1)

F Seeds planted 5 Mar 1987. Source: C. Sperling.

Chicago, Il. 29 Apr 87.
831 W. Buckingham St.

HNMN IPA PORT F GUAM HUT INPA MG AMAZ AAH AAU VDB HUA MY

14437. Akebia quinata (Houtt.) Decne. Lardizabalac.
(25)

XAL PMA MEXU ENCB QCA VEN SPF FLAS TEX UC WIS

Aggressive woody vine cultivated on fence. ♀ flrs: Tepals & petals atropurpureous. ♂ flrs: Tepals and stamens purple.

3311 N. Seeley, Chicago. 29 Apr 87.

14438. Prunus Rosac.
(2)
F GUAM

Cult. tree 25 feet tall. Petals and filaments white.

14439. Malus sylvestris Mill. Rosac.
(2)
F GUAM

Cult. tree 25 ft. tall. Petals in bud deep rose, then abaxially pink, adaxially white.

Arizona: Cochise County. Northern Chiricahua Mountains. Chiricahua National Monument.

5 May 1987.

14440. Fendlera rupicola Gray Saxifrag.
(1) Spindly shrub 1.5–3 m. tall in
F steep, open, disturbed sites along trail in oak-pine forest. Petals white.

14441. Carphochaete bigelovii A. Gray Compositae
(1) Subshrub on steep banks in
F pine-fir forest. Rays white.
det. M.O. Dillon 1987.

14442. Pachystima myrsinites (Pursh.) Raf. Celastrac.
(1) Shrub with low, spreading
F horizontal branches in shade of pine forest. Flowers dark red.

14443. Ceanothus fendleri Gray Celastr.
(1) det. C. Nitzgoda 1987.
F Spiny shrub 2–3 m. tall on steep banks in pine-oak forest. Flowers white, mildly fragrant.

Road from Chiricahua national Monument to Willcox.
5 May 87.

14444. Gaillardia pulchella Foug. Comp.
(1) det. M.O. Dillon 1987.
F (Perennial) herb in open, grassy roadside. Rays basally dark red, apically yellow.

ARIZONA: Pima County. Tucson Area, northwest of city near junction of La Cholla and Hunter Rds.
7 May 87

14445. Condalia obtusifolia (Hook.) Weberb. Rhamnac.
(4) var. canescens (Gray) Trel.
F armed, much branched shrub
TEX 3 m. tall. Branchlets grey.
NY Buds pale green. Immature
CAS fruits pale green. det. C. Niezgoda 1987.
n.v. grey-thorn

thurberi Torrey

14446. Penstemon linarioides A. Gray var. Scrophul.
(4) viridis Keck det. N. Holmgren 1987.
F multistemmed perennial herb
BKL ca 1 m. tall on roadside in open desert.
NY Flowers pale lavender.
ARIZ

14447. Sphaeralcea Malvac.
(1)
F Perennial herb on roadside & open desert. Flowers pure white.

14448. Ephedra trifurca Torr. Ephedrac.
(1) det. C. Niezgoda 1987.
F Shrub 1.5 m. tall & open desert. Female cones light brown.

14449. Chamaesyce polycarpa (Benth.) Millsp. Euphorb.
(1) ex Parish var. polycarpa
F Diminutive herb with erect branches. Bracts adaxially white.
det. M. J. Hufft 1987.

ARIZONA: Pima County. Catalina Mountains. Catalina State Park.

8 May 1987.

14450. Guardiola platyphylla A. Gray Comp.
(2) det. M. O. Dillon 1987.
F Perennial multi-stemmed
NY herb in dry wash. Involucre pale green. Flowers white.

14451. Juniperus deppeana Steud. Cupressac.
(2) det. C. Niezgoda 1987.
F Solitary tree 8 m. tall with
NY multiple trunks in rocky stream bed. Immature fruits pale bluish-green.

14452 Platanus wrightii Wats. Platanac.
(1) n. v. Arizona Sycamore
F Tree 10 m. tall in narrow canyon along stream. Immature fruits yellow-green.

14453. *Lycium fremontii* Gray Solanac.
(1) det. C. Niezgoda 1987.
F Armed shrub 2.5 m. tall on dry, open hillside above dry wash. Fruits bright red.

---

28 May 1987. Chicago, Illinois.
3311 N. Seeley.

14454. *Valeriana officinalis* L. Valerianac.
(16)
F-3 INPA MG
GUAM MO Cult. coarse herb 1.8 m. tall.
MBM COL
BH RB-2 Flowers pure white, very
NY IAL fragrant in evening.
TEX OCA

14455. *Ranunculus repens* L. Ranuncul.
(1) cv. 'Pleniflorus'
F Cult. Creeping herb with prostrate stems, rooting at nodes. Flowers deep yellow, double.

14456. Allium aflatunense B. Fedtsch. Liliac.
(1)
F Cult. bulb-bearing herb with very mild oniony odor. Tepals reddish violet. Leaves longitudinally ribbed on abaxial surface.

14457. Tanacetum cinerariifolium (Trev.) Sch. Bip. Composit.
(1) n. v. Pyrethrum,
F Cult. perennial herb. Ray flowers deep red. Disc yellow.

Schott
14458. Sauromatum guttatum (Wallich) Arac.
(1) n. v. voodoo lily
F now leafless Tuber-bearing herb. Spathe abaxially dull brown, adaxially dark red at base for 3 cm. then cream colored with reddish brown spots. Spadix: pistillate part light red with sterile yellow projections near apex; sterile part of axis dull red; staminate part yellow; apically sterile appendage very dark brown.

2 June 1987.

14459. Lonicera Caprifoliac.
(1)
F Rank-growing cultivated vine. Flowers white turning yellow with age, fragrant in the evening.
Ex Henry Field.

14460. Lupinus perennis L. Legum.
(1)
F Cult. perennial herb 1 m. tall. Banner and wings blue-violet, keel white.
grown from seed (planted 1986) from wild plants collected in Michigan: Gogebic County. Presque Isle River, where it enters Lake Superior.

14461. Fritillaria imperialis L. Liliac.
(1)
F Cult. bulb-bearing herb. Leaves slimy, light green. Fruits pale green, immature.
Ex Dutch Gardens.

14462. Allium christophii Trautv. Liliac.
(1+1) nv. Star of Persia

F Cult. bulb-bearing herb. Leaves medium green, somewhat glaucous. Pedicels violet-green. Tepals light purple.

MICHIGAN: Berrien County. Harbert. Cherry Beach Road. 30 May 1987.

14463. Weigela florida (Bunge) A.DC. Caprifol.
(2)
F Cult. shrub 1 m. tall with
GUAM arching-pendent branches. Flowers deep red.

14464. Nyssa sylvatica Marsh. Nyssac.
(4)
F Cult. tree 15 m. tall. Leaves
GUAM deep green, shiny above; very pale
BH green beneath. Flowers past
MBM anthesis, green.

Illinois: Cook County. Chicago.
3311 N Selley. 7 Jun 87.

14465. Campanula Campan.
(2)
F Cult. perennial herb.
BH Corolla double, blue-violet.

Amaryll.
14466. Sprekelia formosissima (L.) Herb.
(1)
F Cult. bulbiferous herb.
Tepals zygomorphic, deep red. "N.V. Aztec Lily"

14467. Philodendron Arac.
(2)
F-2 Cult. ± rosulate herb. Petioles thick-spongy. Leaves coriaceous, dark shiny green above, dull medium green beneath. Spathe cream.

Accessioned to here
17 June 87.

Illinois: Cook County. Chicago.
3311 N. Seeley
21 June 87.

14468. *Allium cepa* L. Liliac.

(1)
PTBG Perennial herb with strong onion odor. Pedicel pale green. Tepals white with central green stripe. Filamente white. Anthers yellow-green.

n.v. Egyptian Onion

14469. *Tropaeolum peregrinum* L. Tropaeol.

(5)
F-2
BH
MO
INPA
PTBG Cult. herbaceous annual vine climbing by petioles grown from commercial seed (Thompson & Morton). Flowers bright yellow.

n.v. "Canary Creeper"

Papaver

14470. Stylophorum diphyllum (Michx.) Nutt.

(5)

F
GUAM
BH
MBM

Cultivated perennial herb in shady area. Leaves dull, dark green above, pale green glaucous beneath. All parts with orange latex. Flowers bright yellow.

n.v. "wood poppy"

14471. Centranthus ruber (L.) DC. Valerianac.

(2)

F
BH

Cultivated perennial herb. Leaves dull, dark green above, pale green glaucous beneath. Flowers deep rose color, commercial grown from seed planted in 1986.

n.v. "red valerian"

14472. Lychnis chacedonica L. Caryophyll.

(1)

F

Cult. perennial herb. Calyx yellow-green. Petals vivid scarlet.

n.v. red catchfly

14473. Borago officinalis L. Boraginac.
(3)
F
GUAM
INPA
Cultivated annual herb.
Flowers sky-blue.
n.v. "borage"

14474. Lysimachia Primulac
(2)
F
BH
Cultivated rhizomatous perennial herb to 80 cm tall.
Flowers bright yellow.
n.v. loosestrife

14475. Ranunculus Ranuncul.
(1)
Volunteer annual weed in garden. Petals yellow.

14476. Vicia faba L. Legum.
F (5)
GUAM
BH
VOB
PTBG
Cult. erect herb from commercial seed. Flowers white, wing petals with black spot. n.v. fava bean

30 June 1987.

14477. Erigeron Comp.
(3)

F
TEX
OS

Volunteer biennial herb 1 m. tall. Ray flowers white, disc yellow.

14478. Papaver somniferum L. Papaver.
6 n.v. Prom Puff Poppy

F
BH
GUAM
INPA
WIS
MO

Cult. annual grown from commercial seed from Thompson & Morgan. Flowers pale pink.

14479. Valerianella locusta (L.) Betcke Valerianac

F
NY
TEX
PTBG
MO
WIS
BH
AAH
MBM
UC

Cult. annual herb grown as salad greens. Flowers very small, white.

n. v. "Corn salad" - seed obtained from Burpee.

14480. Freesia x hybrida L. H. Bailey Iridac.

(2)
F
BH

Cult. bulb-bearing herb. Flowers creamy white, fragrant.

14481. Allium sphaerocephalum L. Liliac.

(1)
F

n. v. "drumsticks"
Cult. bulb-bearing herb. Flowers reddish purple.

UB
SP
RB
VDB
KY
SEL
CM
OS
WIS
AAH
F
NY
MO
BH
US
HUT
GUAM
TEX
AAU
GB

Nolanac.

14482. Nolana humifusa (Gouan) I. M. Johnst.

( )
USM
MBM
INPA
MG
CPUN
CR
MEXU
XAL
UC
PTBG

cultivated
Decumbent herb sprawling over ground. Corolla pale blue with dark blue throat and nectar guides. Seed source: Zentralinstitut für Genetik und Kulturpflanzenforschung, Gatersleben, D.D.R.

14483. Rhipsalis baccifera (Soland. ex J. Mill.)

(3)
BH
MO

Stearn
Cult. epiphytic cactus grown in hanging basket. Fruits fleshy, translucent white.

14484 Arctotis Composit.
(4)
F
TEX
BH
NY
Cult. rosulate herb grown from seed from Thompson & Morgan. Disc dark brown. Ray flowers pale orange.

14485. Allium Liliac.
(1)
(F)
Volunteer garlicky herb. Flowers creamy white. Bulbils dark red-purple.

14486. Viola Violac.
(1)
(F)
Cult. herb. Upper 2 petals violet; middle 2 petals basally white, apically violet; lower petal yellow with dark purple nectar lines.

14487. Homeria Iridac.
(2) Cult. ornamental bulb-bearing herb. Flower
F pale yellow, orange at throat.
MO

6 July 87 - Chicago, Illinois.

14488. Allium
(3)
F
NY
MO

Cult. bulb-bearing garlicky herb. Bulb w Lit is L. Flower buds pale violet.

n.v. elephant garlic

14489. Ixia — Iridac
(2)
F

Cult. bulb-bearing herb. Tepals pale pink, deep magenta at center.
n.v. "ixia"

14490. Polemonium — Polemoniac
(3)
F
GUAM
BH

Cult. perennial herb. Corolla blue-violet, w Lite at center.
n.v. "Jacob's ladder"

14491. Atropa belladonna L. Solanac.
(14)

F
PTBG MBM
INPA MEXU
BH WIS
NY
MO
KORD
MG
RB

Cult. perennial herb 50 cm. tall. Corolla dull brown. grown from seeds from Zentral-institut für Genetik und Kulturpflanzenforschung, Gatersleben, G. D. R. See # 14534 for fruiting specimen n.v. "belladonna"

14492. Rubus odoratus L. Rosac.
6

F
BH
GUAM
MO
MBM
PTBG

Cult. shrub without prickles, forming colony. Petals deep rose-pink.

n.v. "purple-flowering raspberry"

14493. Hymenocallis narcissiflora (Jacq.) Macbr. Amaryll.
(1)
F

Cult. bulb-bearing herb 60 cm tall. Bulb creamy white, reddish when bruised. Flowers pure white except the yellow anthers, fragrant at night.

h. v. Peruvian daffodil (sold as Ismene)

14494. Coreopsis verticillata L. Comp.
(5) cv. 'Moonbeam'

BH
F
MO
NY

Delicate perennial herb forming rounded mound of flowers. Rays pale yellow, disc yellow-brown. From Gilberg Nursery, Glencoe, Missouri.

Comp.

14495. Ligularia przewalskii (Maxim.) Diels
(2)

BH
F

Cult. perennial herb 1.5 m. tall. Rays pale yellow, disc flowers golden yellow. From Gilberg's Nursery, Glencoe, missouri.

14496. Lilium Lilia.
(2) cv. Mabel Violet

F
BH

Cult. bulb-bearing herb to 80 cm. tall. Tepals pale green at base, purplish apically. Pollen golden yellow. Very fragrant.

michigan: Berrien County. Harbert.
Cherry Beach Road. 6 July 87.

14497. Hydrangea Saxifrag.
(3)
BH
F
MO
Cult. shrub 1.2 m. tall in full sun. Bracts white, turning greenish with age. Flowers creamy white.

14498. Lunaria annua L. Crucif.
(1)
F
Biennial herb naturalizing in woodland margins. Fruits immature, light green.

3311 N. Seeley, Chicago, Il. 60618.
13 July 1987.

14499. Centranthus ruber (L.) DC. Valerianac.
(3)
F
BH
MBM
Cult. perennial herb. Flowers deep rose color. Fruits pale green. n.v. "Red valerian" - grown from seed planted in 1986. (cf. # 14471)

14500. Allium sativum L. var. ophioscorodon (Link) Döll cv. 'Spanish red' Liliaceae
2
BH
F
MO
GUAM
Cultivated bulb-bearing herb. Bract basally white, slender apical appendage green.

n. v. "garlic"

19 July, 1987.

14501. Zephyranthes
(1)
F
Cultivated bulb-bearing herb from horticultural source. Flowers pale pink, white at base.

14502. Gladiolus
(1)
F
Cult. Corm-bearing herb. Flowers pale salmon pink, 2 lower inner tepals red-orange at base, yellow apically.

n. v. "hardy gladiolus"

14503. *Monarda punctata* L. Lebiat.
(1)
F

Cult. rhizomatous perennial herb 30-40 cm. tall. Bracts adaxially whitish. Corolla pale yellow, dotted brown.
From commercial source.

14504. *Epilobium angustifolium* L. Onagr.
(6)
BH
MO
GUAM
F
PTBG
INPA

Cult. perennial herb 1.8 m. tall, grown from seed planted in 1986. Flowers magenta. Stems and immature fruits dark red.
Origin: seed wild-collected in New Hampshire.

14505. *Mentha* Lebiat.
(3)
BH
MO
F

Cult. rhizomatous perennial herb with aromatic foliage. Flowers pale lavender-pink.

14506. Humulus lupulus L. Cannabac.

(5)

F
GUAM
INPA
HUT
PTBG
MEXU

Cult. Aggressive herbaceous perennial vine. ♂ Flowers yellowish green.

n.v. "hops"

WIS
OS
MO
VDB
PTBG
MBM
F
NY
BH
HUA
UC
DUKE

14507. Amaranthus caudatus L. Amaranth.

(48) n.v. love-lies-bleeding

INPA IND
MEXU HUT
MG US
XAL COL
CR TEX
GUAM ENCB
PMA
AAH FTG SP CPUN MA MY AMAZ TEL
RB SEL SPF AAU K MER CEPEC WAG
FLAS DAV GB VEN QCA USM ARIZ

Cult. annual herb 2.2 m. tall. Flower spikes reddish, pendulous.

14508. Cardiospermum halicacabum L. Sapindac

(18) n.v. "balloon vine"

F
WIS
BH
VDB
NY
PTBG
AAH
GUAM
MO
TEX
OS

Cult. vine grown as annual. Flowers creamy white. Immature fruits inflated, light yellow-green.

26 Jul 1987.

14509. Aster × frikarti Hort. ex Frikart Comp.
5 (A. amellus × A. thompsonii)
F n. v. "Wonder of Staffa"
BH
MO
COL
WIS
Cult. perennial herb. Rays pale blue, disc yellow.

14510. Eryngium foetidum L. Umbell.
(2)
F Cult. culinary herb with foetid
VDB smell, grown as annual. Flowers green.
n. v. recao

14511. Lactuca sativa L. Comp.
(3)
F Cult. annual herb for edible
GUAM leaves. Milky sap in stem.
BH Flowers yellow.
n. v. oak leaf lettuce

14512. Nolana paradoxa Lindl. Nolanac.

(4)

F
BH
MO
CORD

Cult. annual herb with prostrate stems. Leaves and stems semi-fleshy. Corolla lavender-blue, white at center.
Source of seed: Zentralinstitut für Genetik und Kulturpflanzenforschung, Gatersleben, German Democratic Republic.

14513. Nierembergia hippomanica Miers Solanac

F (6)
NY WIS
BH HUH
MO VDB
PTBG

Cult. herb grown as annual bedding plant. Flowers violet.

14514. Linum grandiflorum Desf. cv. Linac.

MEXU (9)
RB 'Rubrum'
F WIS NY
GUAM MO
BH VDB
PTBG MBM

Cult. annual herb grown from commercial seed. Flowers red.

14515. Triosteum angustifolium L Caprifol.

(3) n.v. "horse gentian"

F
BH
GUAM

Cult. perennial herb. Fruits bright orange. Collected wild at Harrisburg, Pennsylvania.

14516. Withania coagulans Solanac.

(11)

F AAH Cult herb from seed collected
BH MEXU at Tel Aviv Botanical Garden, Israel,
MO RB by Calvin Sperling. Flowers pale
NY TEX green. Fruits immature, shiny,
CORD dark green.
COL

14517. Gazania Comp.

(4)

F Cult. rosulate herb. Leaves dark
BH green above, white beneath.
COL Flowers variable in color pattern
mostly banded yellow and brown
at base of ligules, apically purplish.
Disc yellow.

3 Aug 87.

14518. Crocosmia Iridac

(1)

F Cultivated corm-bearing
herb. Flowers bright red-
orange.

14519. Echinops ritro L. Comp.
(3)
F
COL
GUAM Cult. perennial herb 1 m. tall. Flowers pale blue.

14520. Euphorbia epithymoides L. Euphorb.
(1)
F Cult. perennial forming hemispherical shape. Stems with white latex. Bracts bright yellow.

14521. Buddleja davidii Franch. Loganiac
(2) N. v. "Butterfly Bush"
F Cult. soft-wooded shrub 1.5 m.
RB tall. Flowers deep magenta. No fruits produced.

14522. Gladiolus Iridac.
(1)
F Cult. corm-bearing herb. Capsules tan at maturity.

n. v. hardy gladiolus = ex Wayside gardens.

14523. Salvia Labiat.

(2)

BH
F Cult. annual herb 30 cm. tall, sold commercial as bedding plant. Infl. axis, bracts, calyx and corolla very dark purple.

14524. Artemisia Comp.

(2) cv. 'Silver Mound'

BH
F Cult. low perennial subshrub. Foliage silvery. ~~Stalk~~ Capitula yellow.

23 Aug 1987.

Gentian.

14525. Eustoma grandiflorum (Raf.) Shinn.

(2) ns. "Lisianthus" "Prairie Gentian"

BH
F Cult. perennial (?) herb grown from commercially sold plants. Flowers white or dirty rose-pink. Leaves glaucous.

10 Sept 87.

14526. Tithonia diversifolia (Hemsl.) A. Gray Comp.

(?3)

F
BH PTBG
Mo TEX
OS
WIS
COL

Cult. herb 80 cm tall ~~subtr~~. grown as annual. Rays deep orange, disc golden yellow. Seed from Thompson + Morgan.

14527. Lythrum salicaria L. Lythrac

(2)

GUAM
INPA

Cult. perennial herb. Flowers red-violet.
n. v. "purple loosestrife"

14528. Tanacetum balsamita L. Comp.

(1) (Balsamita major Desf.) det. M. Dillon 1987

F
PTBG
GUAM
COL

Course cult. perennial herb. Flowers yellow. Foliage strongly aromatic.
n. v. "costmary"

14529. Belamcanda chinensis (L.) DC. Irida

(1)

(F)

n. v. Blackberry Lily
Cult. perennial equitant herb. Flowers ~~red~~ orange with red-orange spots.

21 Sept 1987.

14530. Thunbergia alata Acantl.

(2)

F
VDB

Herbaceous annual vine. Flowers pale yellow with no central "eye". Grown from commercial seed.

14531. Buddleja davidii Franch. Logan.

(5)

F
BH
MO
NY
PTBG

Cult. soft-wooded shrub 2 m. tall with spreading-arching branches. Corolla tube pale orange, limb white. Immature fruits pale green.

14532. Pycnanthemum Lebiat

(1)

F

Cult. perennial herb with strongly aromatic foliage. Flower heads whitish. Plants from Calvin Sperling.

14533. Oenothera speciosa Onagr.
(2)
BH
F
Cult. perennial herb 30 cm. tall. Petals pink, yellow at base. Obtained from Gilberg Nursery, St. Louis.

14534. Atropa belladonna L. Solanac.
(12)
F
BH GUAM
CORD RB
MO
NY
HUA
WIS
CR
MEXU
PTBG
Cult. perennial herb 50 cm. tall. Berries shiny, very black. Grown from seeds from Zentralinstitut für Genetik und Kulturpflanzenforschung, Gaterslaben, Gr. D.R. See # 14491 for flowering specimen.

14535. Lycopersicon esculentum L. var. leptophyllum (Dun.) D'Arcy Solan.
(12)
F
NY
BH
CORD
WIS
MO
UC
OS
Cult. herbaceous herb, sprawling on ground. Flowers yellow. Fruits very few, immature, pale green.
Grown from seeds of Plowman & Alcorn 14357, collected wild near Tipijapa, Prov. Manabí, Ecuador.

(Michx.) Yates

14536. Chasmanthium latifolium Gram.

(3)

F
BH
Mo

Cult. perennial caespitose grass. Spikelets green, pendulous. Received from Thomas Soderstrom (us).

14537. Amaranthus caudatus L. Amaranth.

(2) n. v. Love-lies-bleeding

F
NY

Annual ornamental herb grown in pot. Infl. pendulous, red.

14538. Ratibida columnifera (Nutt.) Woot. & Stand'l. Comp.

(2) n. v. Prairie Coneflower

F
BH

Cult. perennial herb 35 cm tall purchased at Commercial nursery. Rays yellow, disc elongate, greenish brown.

14539. Capsicum Solanac.

F
NY
BH
RNG
MU
COR.D
MO
MBM

(4)
IND
CEL
WAG
AAH
VDB
WIS

Cult. annual herb with low spreading branches. Petals creamy white, ~~stem~~ anthers blue. Fruits bright red at maturity,

very
pungent.
grown from cutting supplied by Kelly Kindscher. Said to be of Thai origin.

14540. Gaillardia — Comp.
(1)
(F) Cult. perennial ornamental herb. Rays basally dull red, apically yellow. Disc dark reddish purple.

14541. Capsicum — Solanac.
(12) n. v. ají limón
F HUT
NY WAG
CORD MEXU
MO IND
RNG [illegible]
MU BH
Cult. herb 1 m. tall. Fruits pendulous, shiny, green turning yellow at maturity, very pungent. Grown from seeds purchased in market, Trujillo, Peru, July, 1986.

14542. Cleome spinosa — Capparac.
(2)
F
BH
Cult. annual herb 1 m. tall. Flowers pink.

14543. Belamcanda chinensis (L.) DC. Iridac.
(1)
(F) n.v. Blackberry Lily
Cult. perennial herb, with equitant leaves. Capsules pale green, maturing yellowish. Seeds shiny, black.

14544. Tropaeolum majus L. Tropaol.
(2)
F
BH Cult. annual herb. Fruits pale, cream-colored.

14545. Erythroxylum haughtii Gentner Erythrox.

HUA ECON
VALLE MA
F COL
MO QCA
NY LPB
US VEN
MARY G
K

Cult. treelet 4 m. tall. Leaves light green above, very pale green beneath with lighter central panel, elineate. Sterile.
Ex 4301.

MEXICO: Jalisco. Along highway from Puerto Vallarta south to Chamela at Río Horcones. Sitio Horcones. Just upriver from highway bridge.
Jan 13, 1988.

14546. Erythroxylum mexicanum H.B.K. Erythrox.
(2)
F
MEXU
Spindly shrub 1.5 m. tall in shade of forest on river bank. Leaves medium to dark green above, paler yellowish green beneath, with pale yellow midrib. Sterile.

14547. Styrax Styrac.
(1)
F
Tree 10 m. tall in gallery forest along river. Petals white, anthers yellow. Flowers sweet-smelling.

MEXICO: Jalisco. Mpio. La Huerta. Chamela. Unpaved road ~~between~~ main N–S highway to the ocean, north of town of Chamela.
JAN 13, 1988.

14548. Cucurbita (2) Cucurb.

fruits only

Fruits hanging from dried up vines along fencerow along unpaved road. Fruits striped longitudinally and irregularly green and white.

14549. Acalypha (2) Euphorb.

F r

♂ flowers dark reddish purple. ♀ bracts green. growing on beach just above high tide level.

MEXICO: Jalisco. Main highway from Puerto Vallorta, South toward Chamela. Deep ravine near large bridge crossing small river.
JAN 13, 1988.

14550. Comp.
(1)
F Subshrub 1.5 m. tall on steep, open disturbed rocky slope above river. Rays orange. Disc yellow-orange.

USA: Illinois, Chicago.
28 MAR 88.
14551. Helleborus foetidus L.
(1) F
Cult. perennial herb. Flowers pale green. From Wayside Gardens.

July 17 → Manta

gasoline	355
Tips	50
Breakfast	320
Lunch	300
Dinner	900
Drinks	160
Hotel	14874 - guaguis

July 18 - Montecristi

Hotel	
Basket	1500
gasoline	305
Breakfast	350
Lunch	450
Dinner	500
- guide	500
Drinks	100
Car wash	100
Tips Hotel	150
Drinks	190

July 19

Rental Car - 3 days	29768
Alcohol	405
Taxi from Airport	300
Breakfast	300
Lunch	450
Dinner	1600
Drinks	160
gasoline	
Baskets	1600
Weavings	4300
Tips	150

July 20 Guayaquil - Mia

Telephone Call	1650
Tips	200
Taxi to Airport	300
Breakfast	380
Airport tax	800
T-shirts	US 21
T-shirt	700

17 intis / dollar

July 7

Breakfast	400
Taxi	500
Lunch	1000
Taxi	300
Maps	2717
Drinks	400
Tips	200

July 8

Breakfast	450
Lunch	800
Dinner	2000
Taxi	300
Taxi	500
Taxi	500
Taxi	400
Laundry	200
Pen leads + ee exasers	300

July 9 → Bog-Lima

Breakfast	450
Hotel Niagara	5888
Taxi	600
Exit tax	2970
Cigarettes	1800

LIMA

[change 200 @ 17,000
100 @ 17,300]

Taxi	210
Taxi	40
Turco	65
Lunch	80
Dinner	187
Taxi	30
Tips	10
Beers	30

July 10 → TRUJILLO

Breakfast	60
Tips	10
Taxi	70
Snack	20
Plane Ticket	796.14
Taxi to town	40
Lunch	55
Dinner	80
Hostaria del Sol	

July 11 - Chamaya

Breakfast	90
Gasoline	170
Lunch	130
Dinner	180
Drinks	40
Hotel	400

160 sucres/dollar

July 12 Pucara

Breakfast	80
Lunch	130
Drinks	20
Drinks	40
Dinner	180
Gasoline	130
Hotel	900

July 13 → Trujillo

Breakfast	70
Lunch	88
Gasoline	240
Dinner	50
Avocado	6
Drinks	40

July 14

Breakfast	60
Lunch	70
Dinner	100

July 15 → LIMA
→ Guayaquil

Hosteria del Sol	117.
airport tax	170.
Snacks	8
Taxi	120
Taxi	100
Banos	60
Drink	8
Artesanias	US 22
Dinner	80

16 July
Guayaquil

Taxi	1000
Unihotel	14874
Lunch	250
Plastic bags	250
Taxi	100
Taxi to Univers.	250
"	350
Taxi to Hotel	350
Unihotel	
Breakfast	1290

Ch. spent FM $285
FM Cash 2200

Bogota

22 June 86

Porter 50
Porter 100
Hotel 4840
(Change $1000)

23 June → Popayan
Tips 150
Breakfast
Flight to PPN – 7280
Stamps 1550
Comb 12
Lunch 1000
P-cards 980
Batteries 800
(Change $300)

24 June – Puracé
Dinner 560
Drinks 1200
Lunch 800

25 June → Medellin
(PoP) Hotel 5496
Tips 100
Bus to Cali – 3000
Airport tax – 500
Lunch 400
Dinner 550
Beer 800

26 June

Lunch 750
Coke 70
Beer 600
Dinner 550
glue 180
Newspaper 55
Cab 400
Medicine —

27 June

Taxis 600
Lunch 1200
Drinks 800
Newspaper 55
Dinner 1400

28 Jun

Taxis 600
Lunch 800
Dinner 1200
Drinks 400
newspaper 55
Medicine 700

June 29

Taxis 2100
Taxi 600
Lunch 950
Dinner 1300
Drinks 500
Taxi 600

June 30

Book us8.00
Taxi 300
Lunch 800
Book - 3000
Dinner 1500

July 1

Book 1170
Medicine 305
Lunch 1250
Taxis 800
Hotel Vacancy - 40,135.50
Dinner 1600

July 2

Book us6.00
Medicine 95
Meps 2500
Tips 150

July 3

Breakfast -
(Lunch 1500)
(Dinner 1100)
Tips 150

July 4 - FRI

(Lunch - 1400)
Fiesta Dinner 2000
Taxi 500
Taxi 300
Tips 50

July 5

Taxi 1200
Taxi 250
Taxi 250
inc (Lunch 1100)
inc (Dinner 1200)
Tips 300

July 6 → Bogotá

Lunch - 1200
Interc. Hotel 4752.7
Taxi to Airport 1000
Taxi from Apt. 1000
Porters 300
Tips 300
airport tax 500
Dinner 800
Drinks 300
Tips 150

= Hotel Neuchatel
Calle 90 # 7A-66 (8)
21-83-892.
Bogotá

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Selbania, Lupinus, Styrax

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USM: Send labels: done
TP 5600, 5601, 5604, 5605, 5606,
5607, 5608, 5609, 5610, 5611, 5612.
Label for 5548: Brugmansia indets. vera?